

SEQUENCE LISTING

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<120> Novel Human Genes and Gene Expression
Products I

<130> 2300-1480P

<140> 09/

<141> 1998-12-21

<150> 60/068,755

<151> 1997-12-23

<150> 60/080,664

<151> 1998-04-03

<150> 60/105,234

<151> 1998-10-21

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ccccacttat	ttttgtcttt	cactatcgca	ggccttagaa	gaggtctacc	tgctccagt	180
cttacctagt	ccagtctacc	ccctggagtt	agaatggcca	tcctgaagtg	aaaagtaatg	240
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aacaaaaaga	agaaaaaaa	aaaaaaaann	nnnnnnnnnn	nnnnnnnnnn	nnnttnttct	180
ggcgncnagt	cccaaantcn	taccttgtaa	gacctttann	tnnccctgngg	tnnttntnna	240
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cnngagttac	tatccaaaca	cacgttttca	cgntacctga	ngctggtnga	naattatgcg	180
accatgaggc	tttccangat	ntttctannt	ancagacngn	gnacaatgnt	gaanaagcng	240
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<213> Homo sapiens

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cntgccggtc	ttgctcnttt	tgtctaccnn	gagganannn	ntntgggaca	tcccagactg	180
agtgaggaga	tctgcngctg	cnnctgtact	tggttacanc	ncacacgang	actntncctt	240
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<213> Homo sapiens

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gccccggggcg accggaaaag ggctctctca agttctgaaa agagaatctg ccaccagatc	180
gaatttcgac ccctgagctt gtccggacgt atggtecaaa ttcagattaa ggtgggcacc	240
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ggggctnnggg tgaattntta caccctgcna ntccatanca cantgccttg cnagctncac	180
cctcntgaat aaatgcaata aantttcngt tgatcttata caccttatgc nccntantta	240
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cctgtcaaac cctannnnnnn nnnnnnnnnn nnnngatttg atnagcctgt nccanacctc	180
tgcagcctcn ancggtngtn ntaccatagt ggggatgacc ctctgatact ttgncctggg	240
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aaaaaaaaata catttagtat agcggggggg gggcgggaga aataatgtta tttcctatgc	180
aaatgacgnn nnnnnnnnnn cccatggtaa atgtnaatat actgcgtctn ttttgggana	240
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ctactccaga gaccagtgcc cctcaacagt aaagactttt ctttaataag agtacgggtgc	180
cacttgcttc aaaagttact atgggtgctta agattgtctt gatctgacat atatcacctt	240
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 <212> DNA
 <213> Homo sapiens

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 gnaaggaaan ggggnaangg accggtntta tncctatgtn gtntttgcag gcaaangaaa 180
 nggaccntt tttgtaaaaa aaagtctttt gnncaantaa acgggggtntg ngggtncagg 240
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 <212> DNA
 <213> Homo sapiens

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 ttcgtctcaa aaaaaaaaaa nnnnnnnnnn nnnnnnnnnn nncgggttct cccaaattnt 180
 tttnaggggn ccatggncaa ctgnttnacn tttgtttngg naacccntg cccnaagncg 240
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<210> 12
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 12
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 aacatttgtg caatgctggt gggaatgtca acccgtgcgg ccctctggaa taagcctggc 120
 agtcctcca agagttaccg tgtgaccag caattccact cctagctcca cccacaggaa 180
 ttgaaagcaa agacgcaaac agatgcctgt gcaccaaagt tcacggcagc atccttcgcc 240
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<210> 13
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 13
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 ggggagggtgt gggaggtttt nncggnnnn nngcnnnnn anncccggn nngnnngaag 180
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<210> 14
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<213> Homo sapiens

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ctgttttctt	caaaattatc	tacacctgat	gttgtagagc	catttgggac	cccatttggc	180
tctagtgtaa	tgaatcggat	ggctggaatt	tttgatgtaa	acacctgcta	tgggtcacccg	240
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<211> 300

<212> DNA

<213> Homo sapiens

<400> 15

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gatgctttct	ctaacagaga	aattcttagt	gactccagtc	gtagaaaaac	gtctttacaa	180
cctgaataag	attgaagaat	tgtgaacata	ccatggccta	ttggatgaat	catttggcgt	240
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<210> 16

<211> 276

<212> DNA

<213> Homo sapiens

<400> 16

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ngnnnnnnngc	nnacttnact	tcccngaanc	actataattg	gnanacnttn	ctaannggtn	180
atctngccga	cctgnnagat	anactcnnga	taaaancenn	tgcagaaagc	gcccttccat	240
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<210> 17

<211> 300

<212> DNA

<213> Homo sapiens

<400> 17

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tgctgggatt	acaagcatga	gcccagcgcc	tggctgtatc	tttcatttta	cccaagtcac	180
tttaccceaag	taagtaatta	ggggaaagcc	tgagtcttgt	accacctgtt	catttgggga	240
actgtgggaa	acggagccaa	cggacctaa	tgccctttga	cagtgagttt	cataccattt	300

<210> 18

<211> 273

<212> DNA

<213> Homo sapiens

<400> 18

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ataccagtcc	ttttacagat	ataatagata	cagcttctga	ggtggagggg	gataggagtg	180
tgtagagaaa	ttgcagttca	gaactggagc	atgcagttag	gcaagaggca	tcccatgtga	240
agatgtcaag	caagtactgg	aaaatgctga	act			273

<210> 19

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<212> DNA

<213> Homo sapiens

<400> 19

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aaataaggca	ggcacttgtc	ccttcaggga	gggacttgtc	cctcactggg	aggtttgggg	180
ttgaccttgg	ctccagcaga	gataccagc	ctggcggtga	aggggcaggt	ctgagcttac	240
gcttgactgc	agggcaagct	gcaggcctct	tctgccttcc	cctgcattca	ccaaggacag	300

<210> 20

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<212> DNA

<213> Homo sapiens

<400> 20

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tcattcaata	agcttttact	gcataaactt	tacatccagc	actgtagtta	agtacccaaa	180
attgaataga	aataatggct	tttgaaaatc	gcacaaagca	ggccaggcac	ggtggctcac	240
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<210> 21

<211> 293

<212> DNA

<213> Homo sapiens

<400> 21

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ttcgtctcaa	aaaaaaaaan	nnnnnnnnnn	nnnnccttng	gncgggttnt	cccaaattnt	180
tttgaggngn	ccatggncaa	ctgcttnanc	tttgttttgg	caacccentg	ccnaagtcg	240
catataggct	gtnccttcacc	ttgtttccaa	ggctgnggaa	canaaagtaa	cct	293

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<211> 300

<212> DNA

<213> Homo sapiens

<400> 22

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ttccaggcgt	gagccactgc	ggccagcaca	tttccacttt	tagatcctac	tccataccac	120

aggtttcatt	taagaagaaa	gagctagata	aatgtgctct	tctgggttacc	ccaccctgac	180
agagtgcatt	tttacacggc	tagcaggggt	tgagactgca	gcctggcctg	ccagccattg	240
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 <212> DNA
 <213> Homo sapiens

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agtagaaagg	gtccccattc	ctgctcagca	ccgcacctct	ctaccccccc	acagacacac	180
atgcagacac	acacatgcag	acaacacgca	gacacacaca	tgcaggcact	cacatgcagg	240
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<400> 24

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tgcccgtctg	tcttaccac	caggactctg	actctccacg	ctgggccacc	tctcttctcc	180
aacactgcta	tggattgaat	gtttatgtta	tccccaaatt	tgcattgttg	aatcccaatc	240
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ggaaggggcg	tgggacgcac	gcggtcactc	cctctcagcc	ccccacattt	ctagaacaca	180
ctgtagctgt	gcctctacag	actcccgtcg	cctggcctcc	acagatcctg	ctcagattca	240
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<400> 26

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ggcagggcac	atgttttaaaa	cttgaacttt	ctgaggctaa	gactggaaaa	ggaatgggtt	180
cagctgatat	atttggtatc	cagttgacta	tttttaggaa	aaaaacacaa	atggctttta	240

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<210> 27

<211> 300

<212> DNA

<213> Homo sapiens

<400> 27

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tttgagctct	gcaacagtga	cgcgcagccc	gggtccggagc	gtgggtgagct	ttgtttgcct	180
tctgggtcag	ctttcgctgt	gtctcctgtg	tgtgttagaa	tccagagccc	agaggaagtg	240
caagcgggtc	ctccgccaac	ggggagagcc	tcttcgcggc	gctgttggtg	acagcacgct	300

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<211> 298

<212> DNA

<213> Homo sapiens

<400> 28

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tggggnnnnn	nnangnnaan	tnnngaagg	gngngannga	gggggggana	naagggggga	180
ngagggcgaa	ngncaggann	nagaaaannn	ggggacgana	ngngaacag	ggnnnaaacg	240
gaannnnnga	gnnnnnanag	atgncgggca	gngncngngn	aggnganann	ngagacgg	298

<210> 29

<211> 300

<212> DNA

<213> Homo sapiens

<400> 29

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caaaatacta	ggtaagtcac	tgcagaccga	cctccctgca	gtttgggaaa	gaagctgggt	180
ttgtggagaa	tcagagcatc	ttgacatgac	tgctgacctc	aagatccctg	gcattggcca	240
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<211> 300

<212> DNA

<213> Homo sapiens

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gcatgttggt	taactgcctt	gcctactaca	gtgtgtctgc	tccaaggct	gagctactga	180
acaaaatcaa	agagatgcc	nnnnnnnnnn	nntgaggaag	aggaacaggc	anatgtcaat	240
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<211> 300
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<400> 31

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atggacacct ggctggacct cgggtggaagt gaactccgta gggtggtgcg ttcactgcag	180
cacctcacat gataccgtcc cctctcatgg aacggagcct ccccatgca gccccactc	240
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<210> 32
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<400> 32

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ggccttcatg cctttctgaa aaatatgaca gtgatggtgt ctgggaccct gagaagtggc	180
atgcctctct ctaccagct tcaggggcga gctcaccagt ggaaagtctg aagaaagagt	240
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<400> 33

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aaaaaggaat tgtacagtct attgttggtc aaggctatca tcgtaaaata gttttggcat	180
cacagtctat acagaatact gtttataatg atgggcagtc ttgggccatt cctgtagcca	240
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acctggatga gcaggatgct gagggccgcc tggtagcgcg catcattcgc attattaccc	180
gaaagagccg tgctcgccca cagacctcgg agggtcgttc aactcgggct gctgccccaa	240
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gcttcttcac	ccagacacca	aggtatgaga	tggccctgcc	aagtgtcggc	ctctcctggt	180
aaacaaaaac	attctaaagc	cattgttctt	gcttcatgga	caagaggcag	ccggagagag	240
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<211> 300

<212> DNA

<213> Homo sapiens

<400> 36

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agttacggag	gccaaacatc	cagctgcagt	tcgcctccaa	gaaggggtcc	atggccctag	120
tcgagtcct	gtgggctctg	gggacctga	ctattgtgtc	cggagcagga	ccccccaaa	180
aaagatgcct	gccctagtca	ttccagaggt	gggctcccga	tggaatgtca	agcgccatca	240
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<210> 37

<211> 300

<212> DNA

<213> Homo sapiens

<400> 37

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ggtccagccc	tctgactctt	tcctcatggt	agagacaact	gcatactttg	aggcctacag	180
gcacgtcctg	gaaggactcc	aggaggtcca	ggaggaagat	gttcccttcc	agaggaatat	240
cgtggagtgt	aactctcatg	tgaaggagcc	aaggtacttg	ctaattggggg	gcagatatga	300

<210> 38

<211> 300

<212> DNA

<213> Homo sapiens

<400> 38

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agtcctcagt	gccccacacc	ggtggccccc	tgaggacacc	tccaccctga	ccttgatttt	120
cccaaacgct	gcctcttggt	gacagactca	gccccaaaacc	ccttccttct	gtctctggag	180
acccttgagc	ttggggaaat	atggaggggt	gtgtgtctgc	aatcaaggcc	tctgcagctc	240
acggctggcc	cgggtgggctg	ggacttccgt	atgaattnta	aatacttagg	gttcattttt	300

<210> 39

<211> 300

<212> DNA

<213> Homo sapiens

<400> 39

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aggccagctg	aggcatggcg	accctggga	aggagcgggc	gtgaggccag	ctgaggcatg	120

gtgacccctg ggaaggagcg ggcgtgaggc cagctgaggc atggtgaccc ctgggtacgg	180
gggacttggg ggccgcacct tggtttgccc agggcccctc ctgcaccacg ggccacatgc	240
ggaggacggc gtgggatagg ctccctgggt ccacagcttc tgcccgtgta tggggaaccc	300

<210> 40

<211> 300

<212> DNA

<213> Homo sapiens

<400> 40

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gatagccaac ctgataaaaa agctgttctt ccactagta aaagcagcca aatgatcacc	120
ttcacctttg ctaatggagg cgtggccacc atgcgcacca gtgggacaga gcccaaaatc	180
aagtactatg cagagctgtg tgcccacac ggggaacagt atcctgagca gctgaagaag	240
gaactgaatg aactggtcag tgctattgaa gaacattttt tccagccaca gaagtacaat	300

<210> 41

<211> 300

<212> DNA

<213> Homo sapiens

<400> 41

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gtcttattgt tacaggtatc gctgtgctgc tcggagccag aacacacctg atagctctgc	120
ttcgaatctg ggattccgct gtgcagccga ccgctgccc actatggact gacaaccaag	180
gaaagtcttc ccagtcctaa ggagcagtcg tgtctgacct acattgggct tttctcagaa	240
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<210> 42

<211> 300

<212> DNA

<213> Homo sapiens

<400> 42

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cgtggcctta atgaaggaag aaggggtgaa acttctaaga gaagcaatgg gaatttacat	180
cagcaccctc aaaacagagt tcacccaggg catgatctta cctacaatga atggagagtc	240
agtagacca gtggggcagc cagcactgaa aactgaggag cgcaaggcta agcctgctcc	300

<210> 43

<211> 300

<212> DNA

<213> Homo sapiens

<400> 43

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gactgcagaa caaatcaacg agcatgtttc agggcccttt gtgcagttct ttgtcaagat	120
tgtgggccat tatgcttcct atatcaagcg ggaagcaa atgggcaaggcc acttccaaga	180
aagatccttc tgtaaggctc tgacctccaa gaccaaccgc cgatttgtga agaagtttgt	240
gaagacacag ctcttctcac ttttcatcca ggaagccgag aagagcaaga atcctcctgc	300

<210> 44
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 44
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 aaagggtgat cctacatgtg ccataggtct tattgttaca ggtatcgctg tgctgctcgg 180
 agccagaaca cacctgatag ctctgcttcg aatctgggat tccgctgtgc agccgaccgg 240
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<210> 45
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 45
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 tctcacacct ggcgagctgt ggcattgctt taaacagagt tcatttccag taccctccat 180
 cagtgcaccc tgctttaaga aaatgaactt atgcaaatac acatccacag cgtcggtaaa 240
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<210> 46
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 46
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 tctcacacct ggcgagctgt ggcattgctt taaacagagt tcatttccag taccctccat 180
 cagtgcaccc tgctttaaga aaatgaactt atgcaaatac acatccacag cgtcggtaaa 240
 ttaaggggtg atcaccaagt ttcataatat tttcccttta taaaaggatt tggtggccag 300

<210> 47
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 47
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 gagtttctgg agagaatgat tctgagctcg gttttgacaa aagaggagct gctgaggcta 120
 aaagtggatg aaaagggcct tataattaaa agaaacaaga caggactcag aggtgtgaaa 180
 caaatattat gcatgggtgaa ttacaatgag ttgggggtat tctgtagccc taaagtacaa 240
 ggtataaaga gacagaaaat gatcctggaa tatagacaga ggatacttca tctctcatga 300

<210> 48
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 48

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atttagaggg	cagcagagtc	atgacatgga	tgacgttggg	tctctggatg	gctaaatgga	120
agaccgccc	cccaacgcca	ctctaccccc	ctgctttgaa	ctatgctttg	agaaatgagc	180
ttatgagacc	actgagactt	gggggctggt	tggttcagcag	ttcacctaca	cttattagga	240
aagggtgact	tcttgtaact	acgcctttcc	ttaaatacatc	ttttgtataa	ttctcagaag	300

<210> 49

<211> 300

<212> DNA

<213> Homo sapiens

<400> 49

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ttcattgact	gtcacatgtg	gtttgctggg	ggcttcccc	tggcgaagag	aagctacaaa	120
atatgctcga	tggatagcat	tcactggaac	cactatgaga	agattatagg	aaaaacacca	180
agactagagg	actctggggt	ccttttatgc	aaagtcaact	cttctgggtc	acagttaccc	240
agcaacaaaa	ataaagagag	gaccaggacg	atgccagcac	cccgtttatc	ctgagtgaac	300

<210> 50

<211> 300

<212> DNA

<213> Homo sapiens

<400> 50

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cttttgtatt	tttagtacag	acagggtttc	accacattgg	tcaggctggg	ctcgaactcc	120
taacctcagg	tgatccacct	gccttggcct	cccaaagtgc	tgagattaca	ggcgtgagcc	180
accgcgcctg	gcctgattgg	ttttttaaca	tgatttttct	ctaagcttaa	ataccacaag	240
gccaaagaga	aatgggtcata	atttaaacca	ttattatatt	ggtgaggtat	ccctagctat	300

<210> 51

<211> 300

<212> DNA

<213> Homo sapiens

<400> 51

ggaggctaga	ctcaagctgt	ctggagagtg	tgaacaaaa	gtgtgtgaag	agttgtaact	60
gtgtgactga	gcttgatggc	caagttgaaa	atcttcattt	ggatctgtgc	tgcttgctg	120
gtaaccagga	agaccttagt	aaggactctc	taggtcctac	caaatacaagc	aaaattgaag	180
gagctggtac	cagtatctca	gagcctccgt	ctcctatcag	tccgtatgct	tcagaaagct	240
gtggaacgct	acctcttcct	ttgagacctt	gtggagaagg	gtctgaaatg	gtaggcaaag	300

<210> 52

<211> 300

<212> DNA

<213> Homo sapiens

<400> 52
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 aatttgtttt cctttgtgga tgaagtggga gtaagacttg ttgctgtgag gattagatga 180
 agtggctagg atatggacac actttacttg aattggaaaa caagccatgt atccctaatac 240
 tgcaaaatgt ggcattgtcac acgtgtaatc tctgagggtt agtttttgcct caagattgca 300

<210> 53
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 53
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 gtcaactcct gaaaaagatg cacattgatg attcttacca agcttcagtc tgtcaciaag 120
 cctattctga aatggggctt ctctttattg tcctgagtca tccctgtgcc aaagagagtg 180
 agtcgttgcg aagccctgtg tttcagctca ttgtgattaa ccctaagacg actctcagcg 240
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<210> 54
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 54
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 catgtttgtt ttctaacagt tattttttaa gcttttgaga taattttaga cttacagaag 120
 agttgtaaaa gtagtagagt tcttgataac tctgcacca ccttgccctt atgttaacat 180
 cttacgtaac aatagaacat ttgtcaaaat taagaaatta accttgatat aatactaact 240
 aaagtagaaa gtttaaaaag tagagatttt agtcttttca ctaatgtcct tttactgttc 300

<210> 55
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 55
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 ggtttggagt cgggcgtggc atgctgctgt tggcctcttt ccgagggagt gccatccact 120
 ccctgtccca ccgctgtccg cggtagaggac agtgagggca gtgctacgtg gtggggaggt 180
 gtgtgagaag ccacggaagg gcttcacagg gcagatgcc aaggccagtgg gccccggaca 240
 gagtcaggct ccctgggcgg ccttgtgtct tgggtggcct gatcatcctg ccaatgcaaa 300

<210> 56
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 56
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 ctgtttttgc ctaaacagaa tccctttttc ctttttttgc taaaagtact catccctaata 120

attacattgt	tctggaagga	ctgaaaataa	cagaactcag	caccatgatc	ggaccgggac	180
aatcagatta	tttcattcct	cagcaaacgg	agatcgatcc	gaaaagtgga	aatatgagct	240
cttcttttgg	gttggcatat	ggaccctgag	agaaagaact	ttaatttttt	ctcttggact	300

<210> 57
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 57						
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ccacccccca	cgcccgaaca	gcaggggcag	agccagnnnn	nnntcgaagt	gtgtccnngt	120
tgtcttttga	nccttggtnt	ggngccttgc	ctanatgtat	ntnntntnnn	tntnntnatt	180
tnnnnnnntn	ntnnnttnc	nttntntaat	tgnttnnaan	ttntntntann	ttnttnnatt	240
nnnannnnnn	ntantgtnt	gnattgntat	nnatca			276

<210> 58
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 58						
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tggctttctg	gtttgcccc	atgtggtcta	ttcttgatgc	agctaccaa	gtaatgtttt	120
aaaaccatta	taccaagtta	ctatccttgc	caaaaccccc	agtaactgcc	aatctcactt	180
agaataaaat	ccggactcct	gtgaagcaca	gcataaactg	gccactgcct	atgcagcaac	240
ctcatcttta	ccgtttcctg	ccttgctcac	tcccttcag	cgcggttatt	cttctgatg	300

<210> 59
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 59						
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aagtctcttt	cttgcccatc	accacatccc	tagtactggg	tatcagtctg	gccacttggc	120
tttctgggtt	gcccgaatgt	ggtctattct	tgatgcagct	accaaagtaa	tgttttaaaa	180
ccattatacc	aagttactat	ccttgtcaaa	acccccagta	actgccaatc	tcacttagaa	240
taaaatccgg	actcctgtga	agcacagcat	aaactggcca	ctgcctatgc	agcaacctca	300

<210> 60
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 60						
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gaaataaggc	aggcacttgt	cccttcaggg	agggacttgt	ccctcactgg	gaggtttggg	180
gttgaccttg	gctccagcag	agatacccag	cctggcgtgg	aaggggcagg	tctgagctta	240
cgcttgactg	cagggcaagc	tgcaggcctc	ttctgccttc	ccctgcattc	accaaggaca	300

<210> 61
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 61
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 ctgtngnggt aaagnntca ccctctcaca gcaccaccag cggcgagaca gaccccacca 120
 ccatcttccc ctgcaaggag tngggcaaag tcttcttcaa gatcaaaagc cgaaatgcac 180
 acatgaaaac tcacaggcag caggaggaac aacagaggen aaaggctcag aaggcggctt 240
 tngcagctga gatggcagcc acgattgaga ggactacggg gcccggtgggg gc 292

<210> 62
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 62
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 tagtaaaggc aactctttgt ttgcagaggt ggaagatcga agggcagcaa tggaaagtca 120
 gcttatcagt atgaaagtca agtatcagtc actaaagaag caaatgtat ttaacagaga 180
 acagatgcac agaataaagt tacaattgac cacgttgcta cagatgaaag ggtctcaaac 240
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<210> 63
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 63
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 aacagggact ccaatcaatc ggagttctcc ccttgccgga gctgcccttc acctttgggg 120
 cccgagacag tcataaggga tggacttagt tttcttgtag ggaaaaagggt ggacagccgt 180
 gtttcttaag gatgctgagg gcatggggcc aggaccaggg gagaggcaca gctccttctt 240
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<210> 64
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 64
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 gtgcccgtg cttccggtgg gtgcaggtgg aatgttctgt gcgagagctc aagggtgccc 120
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 agagcaccag acatctgcct actctcctcc acgtgcaggg caagagcact gaagacaccc 240
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<210> 65
 <211> 300

<212> DNA
<213> Homo sapiens

<400> 65
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atcttcagaa gggcttcgcc taagctggaa catggataga ttccattcta acataaagat 180
ctttaagttc aaatatagat gagttgactg gtagatttgg tggtagttgc tttctcggga 240
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<210> 66
<211> 300
<212> DNA
<213> Homo sapiens

<400> 66
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<210> 67
<211> 300
<212> DNA
<213> Homo sapiens

<400> 67
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<210> 68
<211> 300
<212> DNA
<213> Homo sapiens

<400> 68
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ttgggtccag tactacttgg cacaacatta tgacaaaatt ggtcagccat ctattgcttt 180
ggagtacata aatactgcta ttgaaagtac acctacatta atagaactct ttctcgtgaa 240
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<210> 69
<211> 300
<212> DNA
<213> Homo sapiens

<400> 69
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gaagaataaa atcaatgtgg gaattgggga gataaaggat atccggttgg tggggatcca 120
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<210> 70
<211> 300
<212> DNA
<213> Homo sapiens

<400> 70
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atgtgggtggg tgtggcttta aagagcacia aaccacaaca aatcaaagag tagctcgggc 180
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cccagtcccg gcttaggtct atctgccaat accaccaggg ccaacaaatt cacgcaacia 300

<210> 71
<211> 300
<212> DNA
<213> Homo sapiens

<400> 71
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gaaggaatag ttatatcaat acaccagtgg ctgaaattat catgaaacca aatggtggac 120
aaggcagcac aagtgtgcaa acagctatgg aaagtgaact cggagagtct agtgccacia 180
tcaataaaag actctgcaaa agtacaatag aactttcaga aaattcttta cttccagctt 240
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<210> 72
<211> 300
<212> DNA
<213> Homo sapiens

<400> 72
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ggggttgatt ctgaccatag gaagtatgca atgtgaatca ctatttacag agaaacctac 120
aacagatgct tgatgttgta gaaactggga catatagata ccaagcaaaa ttataagaaa 180
cctataagggt gttcaatacg cttgtgtttc caaaattcac tgtacatgat cagtttggtg 240
ttcttgtacc acagttttta actgaaggaa ccagttgtta cagtctcaat tttaactaaa 300

<210> 73
<211> 300
<212> DNA
<213> Homo sapiens

<400> 73
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gttgatcaat gaccattttt gctcagcatg gagaaacagt gccctgcatg aagggtagt 120

agaataaaaa	ggatcttacc	acctttatca	tgaggggtggc	tttgctctct	ccattccaag	180
ttgttctctg	ttctagaaag	cagatgtagt	agacatctac	tgtttttgcc	taaacagaat	240
ccctttttcc	tttttttggt	aaaagtactc	atccctaata	ttacattggt	ctggaaggac	300

<210> 74
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 74						
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tgtttatagg	ttactttgaa	agtaaaatat	actatgtctt	ggttttgagg	atattggata	120
caaaactctc	ttcctttagg	gctactgaga	cttgattcct	gatcatcaga	aatttcacca	180
gaaacaactt	gcttccaata	taccaaatc	tatatgaaga	attcatggag	agtgtactgg	240
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<210> 75
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 75						
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gaccctcagc	ctgcggatgc	ctctagaaac	ctcgtgttga	ttgcaggagg	agtcggaatt	180
aaccctctgc	tttccatcct	gcggcacgca	gcagatctcc	tcagagagca	ggcaaacaaa	240
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<210> 76
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 76						
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cacgtactcc	ttcctgaaac	cactaagagg	aaaaatgtct	gtgacactgc	atacagatgt	120
aggtgatatt	aaaattgaag	tcttctgtga	gaggacaccc	agaacatgtg	agatggagtc	180
tcgctgtgtc	ccccaggctg	gagtacaatg	gcgcgatctc	ggctcactgc	aacctccgcc	240
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<210> 77
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 77						
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gttgacact	ggcattttct	tgtgtgaagc	ttttttaaat	ttctgaactc	aaggcagtgg	180
cagaagatgt	cagtcacctc	tgataactgg	aaaaatgggt	ctcttgggcc	ctggcactgg	240

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<210> 78
<211> 300
<212> DNA
<213> Homo sapiens

<400> 78
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aacgcatgac cacagatatc aatgcactga agcggcagta ctctcgaatt aaaaagaagc 120
aacagcagca gggtcatcag gtgtacatca gggcagacaa agggccagtg accagcattc 180
tcccgtctca ggtaaacagt tctccagtta taaaccacct tcttttagga aagaagatga 240
aaatgactaa cagagctgcc aagaatgctg tcatccacat ccctggtcac acaggaggga 300

<210> 79
<211> 278
<212> DNA
<213> Homo sapiens

<400> 79
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gatcaggctg aatacgacgc catgttgctg gagcacgctg gagaggccat ccctgccctg 120
gcagccgcgg ctggggggaga ctcttttgcc ccattctttg ccggtttcct gccattattg 180
gtgtgcaaga caaaacaggg ctgcacagtg gcagagaagt cctttgacgt ggggaccttg 240
gcagagacta ttcagggcct ggggtgctgct cagcccag 278

<210> 80
<211> 300
<212> DNA
<213> Homo sapiens

<400> 80
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agtaaaaccc attgatctgc actactatgc ccagtccagc ctggacctgt ttctgggagg 120
tgagagcagc ccagaacccc tggacaacat cttgttggca gcctttgagt ttgacatcca 180
tcaagtaatc aaagagtgcg gcacgcacct gagcaactgg tggtttgtgg cccacctgac 240
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<210> 81
<211> 300
<212> DNA
<213> Homo sapiens

<400> 81
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agcacctcct cggcacacac gacttcagcg ccttccagtc cgctggcagc ccggtgccga 180
gccccgtgcg aacgctgcgc cgggtctccg tttccccagg ccaagccagc cccttggtca 240
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<210> 82

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 82

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acgtggaggc	taggaggtct	caggtgctgc	cctggcagca	ccagagtgtg	ggccggggccc	120
gagtgtctgc	ccctcggccc	tcaggggtggg	gcacttagca	cccagaaggg	accaaaagca	180
gggcatggcg	gtgcagagga	gtttgggagg	tgtaaacagc	cccatgcacg	tggaggagga	240
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<210> 83
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 83

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agggcagatt	ttccaaatgc	tcatcaccac	ttggcactgt	gtggactata	atthttggcca	120
gttaggaaat	ggcatctcat	tgthtttcac	ttaatthtgcg	tcagcctgat	tactcattga	180
aactthtgag	gttgagaaac	thttcttaag	ctthattggcc	attcaagtht	cctcctthtat	240
gaaatggtht	ttcatgtcat	ttgctcattt	tt			272

<210> 84
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 84

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taaaththtac	tggcaggtgt	atggtthgtt	gagggthtct	agtgagthtg	gggacctggc	120
aatagagctg	cttggthtga	ggaagtgaag	ctggcttagt	accagcagct	gatctcttcc	180
acgtgctgct	gctthththt	ccactctgat	actaaaccag	agaaagctgc	aggtggataa	240
agaagctgtg	gctgththth	gctththggg	ggcaatgaga	aagagtcaca	gtgtgggtta	300

<210> 85
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 85

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cctggctgat	gggagaggtc	tcaththtgt	tctgagaatg	tccaggttgt	ctgcagacca	120
cagcactgat	ttcccattag	cagthattat	thcttggcca	thtcttctct	aaggtththt	180
ggthaaactc	cctgtctctc	ataththtct	agcagtaggg	ctgtcattct	tctggthtct	240
aacctctaca	ttatgaagta	aggtthcaacc	cttctgctth	tctcaggccc	ccaaaacggt	300

<210> 86
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 86

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agaatagaaa	catccagaat	gctcctcccc	atcccccaat	cccagacagc	aattatgtca	120
gccctgtaag	gcattgcctg	ctcttgaccc	tttggcccat	ctttttatct	ttaaaaaatt	180
cccatgtcac	agatgccctg	tctatgcaga	gggtggcgtg	ggatgggtga	ccactaagtt	240
taggctggtg	aaggtggtga	gcccttctga	ggccttgata	gaactttcca	ggagttcatg	300

<210> 87

<211> 300

<212> DNA

<213> Homo sapiens

<400> 87

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gccgtgcagc	tgggctccct	tctcgtccgc	ggcctcacca	ctctgggttt	agtcaacagc	120
gcattgtggt	tcccctggaa	gacgagtgat	ttcatgccct	ggaatgtatt	tgacgggaag	180
ctttttcatc	agaagtactt	gcaatctgaa	aaggggttat	ctgtggaggt	tcttttagaa	240
caaaatagat	ctcggctcac	caaattccac	aacctgaagg	cagtcgtctg	caaggcctgc	300

<210> 88

<211> 300

<212> DNA

<213> Homo sapiens

<400> 88

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gcattactgc	tatgtcagta	aaagaagtcc	ttcaaagctt	agttgatgat	ggtatggttg	120
actgtgagag	gatcggaact	tctaattatt	attgggcttt	tccaagtaaa	gctcttcatg	180
caaggaaaca	taagttggag	gttctggaat	ctcagttgtc	tgagggaagt	caaaagcatg	240
caagcctaca	gaaaagcatt	gagaaagcta	aaattggccg	atgtgaaacg	gaagagcgaa	300

<210> 89

<211> 300

<212> DNA

<213> Homo sapiens

<400> 89

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ctgcaccctt	ggaacctccc	accatcgtca	caactgtagt	ctcatttgca	gtggagaaaa	120
gaacccgatg	tcccacagcc	agatatacac	ccagctccat	gccagccctt	catgtttacc	180
ttttgctttg	ttaattacat	gtcagactcc	tagagggcct	ccagactaat	aggaagcatt	240
tctgtaacca	acctgccacc	cactgattca	gaaatggaaa	tcacattcca	caatctatgg	300

<210> 90

<211> 300

<212> DNA

<213> Homo sapiens

<400> 90

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tgatcccagg	cttagcacac	gattgcatgg	catccccctt	agccacttca	accactgcag	120
acatccagga	agctggactc	tctcctcagt	ccctccagac	ttctggccac	cacagaatga	180
aaaccccatt	ttcaactgag	ctatccttgc	tccagcctga	tactccagac	tgtgctggag	240
atagtcatac	cccactggct	ttttccttca	ccgaggactt	ggaaagttct	tgtttgctag	300

<210> 91
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 91						
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atttcagact	tggaacatg	cttcaattct	aattcagcaa	cattatcgaa	catatagagc	120
tgcaaaattg	caaagagaaa	attatatcag	acaatggcat	tctgctgtgg	ttattcaggc	180
tgcatataaa	ggaatgaaag	caagacaact	tttaagggaa	aaacacaaag	cttctattgt	240
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<210> 92
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 92						
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tattcgccaa	cagtgtgttg	aatatgtcac	atccattttg	cagtctctct	gtgatcagga	120
cattgcactt	atcttaccaa	gctcttctga	aggttctatt	tctgaactgg	agcagctctc	180
caattctcta	ccaaataaag	aattgatgac	ctcaatctgt	gactgtctgt	tggctaogct	240
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<210> 93
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 93						
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ttttcttcgt	tggttttaac	cttctaaaca	tctccaggcc	actttcttag	cctttttcta	120
ggtactaaaa	agaggtccta	cccacacctg	cctcacactt	ctcctttcca	aggctgcctg	180
agtttggagg	ggcttgggtg	tgtgtgaaca	agggccctgc	attgtctagg	cctgcagttc	240
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<210> 94
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 94						
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ggatgtaacc	actccttggt	gagagaggga	actcctcacc	aatccattt	gacaaaggct	120
aggcaatctt	cattctgctt	ggcttttagtc	attcttgtca	ttgggctgca	gaagaaaaac	180
aactttgctg	ggtgatccca	ctgccttgat	ttcacctcgg	agcgaggctg	ggccatgtcc	240

aagtcttatg aggtcaccct gactagaaaa aattgaactc acctacaaat agtctgaaag 300

<210> 95
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 95
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 gagatggggtc ggcagagccc tgctgatggc tgggccttgt gggcagccac tctgtgtgag 120
 caggggtgttg ggcccataca cttcaaagac cagagccctg cactgggaga gtgctcctgg 180
 cccaggctgg gaatcacctt tcgaggccct tcagactctg gcggggcttg ctgtggcctc 240
 cctccagcta gtggtgtggc tgagcagact ccagggccag ggccagttcc cttctccct 300

<210> 96
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 96
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 gagacagagg gcaaggacca cggccttgaa ctcagcatcc acaggacgcc catcttgag 180
 gattttgagc tcgagggagt gtgccagctc ccagaccagt cgcctcccag gaacagcatg 240
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<210> 97
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 97
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 tcacncnnnn nnnnnnnnnn nnnnnnnnagg cctaggcggg tggatcaciaa ggtcagcagt 120
 tcaagaccag cctgaccagc atggtgagac cctgtctcta ctggaaatac aaaaaaattg 180
 gctgggagag gtggcaggca cctgtggtcc cagctacctg ggaggctgag gcgggagagt 240
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<210> 98
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 98
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 atttaaaaaat ccttcaggtt aatagagctt ttgttattat attataattt tgtaaaccac 120
 ctttgttttt ccacttttaa agccacaggg tcgactcatg gatgatacct ctattgctgc 180
 tgcattgatgt tcaagaccgg cccttggttg ttgttacaga gatgttgggc agagctatgc 240
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<210> 99

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 99

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tgagcctgac	ccacagctgg	gacactgaat	tcagccctgg	gaaccatggg	ggcttctatc	180
tggcaccagg	ctgcagcctc	cccaatccca	gcccactttg	ctgtgtctct	ggcgggctgt	240
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<210> 100
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 100

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ccataaaggt	cttcagagtg	ccttggccct	agacctccct	tcattctttg	tagagatgga	180
atctaagaat	gaaacatctc	cactcagtc	tgcaaatatg	gaagttcttg	agataccttt	240
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<210> 101
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 101

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aattaggcat	ctttttgtgt	gattatttgg	taaatgtcca	tatcccctac	tagcctataa	180
gctccatgac	ttctaggtac	cctgtctgac	tacgtgtatc	actggttcta	ccgcctaaca	240
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<210> 102
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 102

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tggaggaggt	gtnnnnnnnn	nnnttnntgn	ncccactacc	ntgcactgaa	ctggccntgt	180
tacancaann	actgnncccn	nttgttatna	cacctnfnac	aaacacctgc	tgctgtacat	240
gncnctactt	taaggactnn	anacctgtgc				270

<210> 103
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 103

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tgccccattc ttgcccgtt tcctgccatt attggtgtgc aagacaaaac agggctgcac	120
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tgctcagcc cagtttgtgt ctgggtgct cctgtgtgtg ttgagcaccg cccaagaggc	240
agaccccgag gtgcgaagca atgccatctt cgggatgggc gtgctggcag agcatggggg	300

<210> 104

<211> 300

<212> DNA

<213> Homo sapiens

<400> 104

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tgctcggtta tcaggacacg ggccccacct gtcacgtgcc cgaggccacc caagcccagc	180
ctgcggggcg ttcccactgc ctggatgccg gcttgagtgc tgcgcacgca ggattcagtg	240
tggggacggc ccctgccgga taggcctagc cctggcccag gtggtgagcg gtttgcaagt	300

<210> 105

<211> 300

<212> DNA

<213> Homo sapiens

<400> 105

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ccccgccctt gggacagcct cctccgtagc cctgcacgg caccagtctc ccgagggacg	180
cagcaggccg cctcccgcag cggccgtggg tctgcacagc ccagcccagc ccaaggcccc	240
caggagctgg gactctgcta caccagtgta aatgctgtgt cctttctccc ccgtgcccct	300

<210> 106

<211> 300

<212> DNA

<213> Homo sapiens

<400> 106

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ggcagacgtg gttctgttgt gtggagacct caacatgcac ccagaagacc tgggctgctg	180
cctgctgaag gagtggacag ggcttcatga tgcctatctt gaaactcggg acttcaaggg	240
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<210> 107

<211> 300

<212> DNA

<213> Homo sapiens

<400> 107

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aacaattgga	ggagctgccc	aggcagtttt	atggcctcct	ggttggtgtgc	cttcacacccc	180
gcctacagcc	ccacctcacc	atcaagcgc	gagccaatgc	gggtgtggct	ggccctgagt	240
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<210> 108
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 108						
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ggggggccct	cagcctcttg	gccttgaacg	ggctgttcat	cttgattcac	aaacacaacc	240
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<210> 109
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 109						
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gaggtaggaa	agtatagatc	tccagggaca	gtagtcatgg	ggttggggca	ctgttggaat	180
ttaaggttgg	aaggatatat	tggagcccct	tgaatacggc	aacaaggcac	accttgggca	240
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<210> 110
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 110						
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gctgtggccg	tgggctcagg	tggcagctat	ggagccgagg	atgaggtgga	ggaggagagt	120
gacaaggccg	cgctcctgca	ggagcagcag	cagcagcagc	agccgggatt	ctggaccttc	180
agctactatc	agagcttctt	tgacgtggac	acctcacagg	tcctggaccg	gatcaaaggc	240
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<210> 111
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 111						
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tgetctgcct	tccctgggtc	ccactgccc	tatctgtgga	ctgccccttc	caaagacccc	120
tggggggggg	ggggnnnttc	ttctannccn	ntacnctatg	tgtttaatnn	ncntantnct	180
ttantantat	ttncantgn	tnntnatatn	ntnnanana	nnctnctta	nnnacattat	240
ttanntang	ngatnntacc	tnntgnaan	g			271

<210> 112
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 112
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 aattacattt gttcatgatg tcaagtgtct ggtatgtagc taatgcttat tgaacacata 180
 gtaatttatt gaataattgt catgatcact ggatgagata tagccactgt ggaggtaggc 240
 acaccagggg ttttagaggct tgggatcttg caacaggatt ttcctcttgc ctctccaaac 300

<210> 113
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 113
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 acatgagatt tgaagacacg ttttatggag cagacattat ccaaggggag agaaagagac 180
 aaagagtgtc gagctccagg ttttaagaatg aatatgtggc cgaccctgta taccgcactt 240
 ttttgaagag ctctttccag aagaagtgcc agaagagaca gtagtctgca tacatcgctg 300

<210> 114
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 114
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 gcttcaagaa agaagatac atatgtacat tttaatgtgg acattgagct ccagaagcat 120
 gttgaaaaat taaccaaaagg tgcagctatc ttctttgaat tcaaacta caagcctaaa 180
 aaaaggttta ccagcaccaa gtgttttgct ttcattggaga tggatgaaat taaacctggg 240
 ccaattgtaa tagaactata cacgaaaccc actgacttta aaagaaagaa attgcaatta 300

<210> 115
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 115
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 gacatggcag cgggtagctc ctggggctga gccagaagca tcaactgcagt gaaagtctct 180
 gcttacctgt ctggctcagc ttgggcaagg gctgggccat atgtgctcag ggacgtgctt 240
 ctcttgtaag gcaggaggat anaanaggac cannaanggn gggagctg 288

<210> 116
 <211> 300

<212> DNA
<213> Homo sapiens

<400> 116
tcaatttagta acatctgaaa aaacagcttt gtcctgggtg aaaaaggatg ccaaaattgc 60
ctggaaaaga gcagtgaag gagtccggga gatgtgtgat gcatgtgaag caacattgtt 120
taacattcac tgggtctgcc aaaaatgtgg atttgtgggtc tgcttagatt gttacaaggc 180
aaaggaaagg aagagttcta gagataaaga actatatgct tggatgaagt gtgtgaaggg 240
acagcctcat gatcacaac atttaatgcc aacccaaatt atacctggtt ctgttttgac 300

<210> 117
<211> 300
<212> DNA
<213> Homo sapiens

<400> 117
gcactttcca gaattctctc atatttgtgg gctgggatca agcctgcagc ttgaggaaag 60
cacaaggaaa ggaaagaaga tctggtggaa agctcagggtg gcagcggact ctgactccac 120
tgaggaactg cctcagaagc tgcgatcaca actttggctg aagcccctgc ctcactctag 180
ggcacctgac ctggcctctt gcctaaacca caaggctaag ggctatagac aatggtttcc 240
ttaggaacag taaaccagtt tttctagggg tggcccttgg ctgggggatg acagtgtggg 300

<210> 118
<211> 300
<212> DNA
<213> Homo sapiens

<400> 118
agaacgttct caggttgacc agctgctgaa tatttcttta agggaggaag aacttagtaa 60
gtcattgcag tgcattgata acaatcttct gcaagcccgt gcagcccttc agacagctta 120
tgtggaagtt cagaggctac ttatgctcaa gcagcagata actatggaga tgagtgcact 180
gaggacccat agaatacaga ttctacaggg attacaagaa acatatgaac cttctgagca 240
cccaggtttg gcatagaaat ggtaccctt gttcaaaatg aacaagaagc cttagatttg 300

<210> 119
<211> 300
<212> DNA
<213> Homo sapiens

<400> 119
gaacaaagaa ggaatgtctt cctcatgttt gggctctatag aagacgttaa agaaaacttc 60
cagaaagtgg gtttgaggca tgagccacca cgctggcca aaggatttaa tgaattaatg 120
gatgtacagt gctggggctg gtattctagg gcctgcattg agactcacat tttgccatca 180
aaagcctttt aagaggtgga gggtgcggtg agctgacatg gtgccactgc actccggcct 240
gagtgcagaa gtgagactct gtctcacaaa aaaaataatg ccctttaaat aatgaataat 300

<210> 120
<211> 273
<212> DNA
<213> Homo sapiens

<400> 120

cctcagcctt	ctaaaaagct	ggggctacac	ccagctgaag	aaattgtaac	taaagataga	60
ttgttttaaag	caaagcaaga	aacttctgaa	gaaatggaac	aaagtggaga	agcctcagga	120
aagcccaaca	gagagtgtgc	accccagatt	ccttgtagta	ctcctattgc	tactgaaagg	180
acagttgcac	atttgaacac	tctgaaggac	cgtcacccag	gtgatttgtg	ggcccgcacg	240
cacatctcat	cccttggaat	atgctgcagg	aga			273

<210> 121

<211> 300

<212> DNA

<213> Homo sapiens

<400> 121

agaacgttct	caggttgacc	agctgctgaa	tatttcttta	aggaggaag	aacttagtaa	60
gtcattgcag	tgcattggata	acaatcttct	gcaagcccg	gcagcccttc	agacagctta	120
tgtggaagtt	cagaggctac	ttatgctcaa	gcagcagata	actatggaga	tgagtgcact	180
gaggacccat	agaatacaga	ttctacaggg	attacaagaa	acatatgaac	cttctgagca	240
cccaggtttg	gcatagaaat	ggtaccctt	gttcaaaatg	aacaagaagc	cttagatttg	300

<210> 122

<211> 300

<212> DNA

<213> Homo sapiens

<400> 122

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ccagaatgat	acacggatca	gtgcagaagt	tcatacaggct	ctcggacctt	agggctgttg	120
gagaaggctt	cagcagcaga	actgatgggtg	aaggctcgtg	ttctccatcc	tcaactttct	180
ttgcttcgat	catacacaag	aatacatttg	gaagggcaaa	aaaatgaaca	ctgtcgttca	240
ttgcagccgt	gttttgtgac	acagatgcac	agtctgctgt	gaagaccttc	tctcaagtgg	300

<210> 123

<211> 300

<212> DNA

<213> Homo sapiens

<400> 123

gtgatttcag	cttccaaact	ggtatacatt	ccaaactgat	agtacattgc	catctccagg	60
aagacttgac	ggctttggga	ttttgtttta	acttttataa	taaggatcct	aagactgttg	120
cctttaaata	gcaaagcagc	ctacctggag	gctaagtctg	ggcagtgggc	tggcccctgg	180
tgtgagcatt	agaccagcca	cagtgcctga	ttggtatagc	cttatgtgct	ttcctacaaa	240
atggaattgg	aggccgggag	cagtggctca	cgctgtaat	cccagcactt	tgggaggcca	300

<210> 124

<211> 300

<212> DNA

<213> Homo sapiens

<400> 124

catgctggcc	agcatccctg	cctgtgcaag	ctctggatga	gctgtgagcc	cctgccaccc	60
acacccccac	tccctgccag	cctggcctca	gggcctctga	tccatgtgca	ctggagagga	120

gatgactgac	agggccactg	gggcatttcc	acgttaacag	cagctgccac	tggcaaaaga	180
agtgactcgc	caatggaggc	atctcagatg	tgggcccagg	agtctgggga	gctactttga	240
acagggctat	ccattcattg	tcccaccaa	ggctatggag	cccacccacc	atgtgctgga	300

<210> 125
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 125						
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cccctaagat	gttattatgt	tagggacata	acacttttgg	gagggttggtg	tgggagatgg	120
ttgatttagg	ttttcaaaag	ctagaaataa	aattttacatg	ccttagattt	cataaaattc	180
tgctctaatt	gggtggaagg	tgctgtatct	aacttgtgtt	cctcctaagg	ttatgtccta	240
ataactattc	ttttaggagt	atacttctac	tttatagaag	gttgcttttc	tttttaattt	300

<210> 126
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 126						
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aactccaat	caacagtatt	ttcaacaaga	aatgtgcaat	tgaaatcaag	tgctgtttta	120
gtgcagctag	gatttccaca	ggaagacact	tgcagtgaac	agagttatgg	agcagcaaaa	180
acacagatct	atttggaaaa	agagaaaaca	tatgcgttgt	attttgcttc	aattataaaa	240
taccatcctc	tcaaagggtg	ttctaaatta	caaaggactt	tgatttctag	gtagattctg	300

<210> 127
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 127						
ggtgattccc	atgctgaaca	gtttgatctc	ctgccagagt	gtcggggccac	aaactgggca	60
gcacatcagg	atcacctggg	ggccttcaaa	aatcaaaaat	ccacccccag	gccatgccct	120
ggacccactg	caccaggaca	agaaatccac	cccaggcctc	tccccagacc	cactgcacca	180
ggacaagaaa	tccacccccca	ggccacgccc	cagacccact	gccctaggat	gtgggggtgg	240
gaaccagggtg	gtgcttttga	aagacgtgca	ggtggtaacc	ccaggcccccc	acgctcggaa	300

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 128						
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tgcttgaaag	agtttgagtt	tcctgttaac	tccaaatcaa	cagtattttc	aacaagaaat	120
gtgcaattga	aatcaagtgc	tgtttaagtg	cagctaggat	ttccacagga	agacacttgc	180
agtgaacaga	gttatggagc	agcaaaaaca	cagatctatt	tggaaaaaga	gaaaacatat	240
gcgttgtatt	ttgcttcaat	tataaaatac	catacctctc	aagggtggttc	taaattacaa	300

<210> 129
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 129
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 ctccactgag gaactgcctc agaagctgcg atcacaactt tggctgaagc ccctgcctca 120
 ctctagggca cctgacctgg cctcttgccct aaaccacaag gctaagggtc atagacaatg 180
 gtttccttag gaacagtaaa ccagtttttc tagggatggc ccttggctgg gggatnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnaggaagat accatttctt gacgg 285

<210> 130
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 130
 ccggacgcag gccctcgggc aggagcatct ggcagagtgg ggggcgtggc aggcaccctc 60
 ctttgcaggg cgaggtgggg cctctgcagc catcctggac aggccggggt ggcggcagct 120
 ttgcccacgt ggaagcgggg tgggtctcac ttgcgtggtg gcccctggcc ccattcttgc 180
 tgctgcggcc tggggagcag gcgctgggtg gtggttctgc ctgcttgctg ctggttcccc 240
 gggcatgcgt gggcagcggg gggcatgcgt gggcagcagg gggccgtggg cagcgggggc 300

<210> 131
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 131
 gatctctata ctagtgaaca gtgccagttc cacacttttg acttagaact gttctctagt 60
 tattgtaaca cagaatactg tcaatcccta atttacttaa tggtacttat tggagtggtg 120
 gctgatgaaa tacgcacagg agggaaatct actgtgttta ggcacaggca gcccagtggt 180
 ataaggagat catattccaa aagggtgtca gttggttgtt tgcaacctgg aatgtatttt 240
 cctttagaga ccaggttatc catggtgggt aggcccttag agcagctgga aaagatgatc 300

<210> 132
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 132
 ctcccatgga ggtggtggga atggcaccga gaagtttgat gacagttatc taatggacta 60
 gaggttgga aactttctgt aaatggccag gtagtaaata gttctgcttt tgaaggcata 120
 tggctctctt cacctactcg aggtgaaag cagctataga caatacataa atgaatgagc 180
 gtgagtgtgt tccaataaga aaaaaacatg gctgtttgct tcggccccag ggttgtagct 240
 taccagtcct gtaacagatc acagtttgct cttttggtca caaatacttg aaccctccc 300

<210> 133
 <211> 269
 <212> DNA

<213> Homo sapiens

<400> 133

atgctatgcc	aaagcctgct	gccagctcca	tagcctggac	ctacagcact	gcatggtgga	60
gtccacagct	gtggtgagct	tcttggagga	ggcaggggtcc	cgaatgcgca	agttgtggct	120
gacctacagc	tcccagacga	cagccatcct	gggcgcactg	ctgggcagct	gctgccccca	180
gctccaggtc	ctggagggtga	gcaccggcat	caaccgtaat	agcattcccc	ttcagctgcc	240
tgtccaggct	ntgcaaaaag	gctgccctc				269

<210> 134

<211> 300

<212> DNA

<213> Homo sapiens

<400> 134

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actgacaaca	atcctgaagg	cctgggattt	tttgtctgaa	aatcaactgc	agactgtaaa	120
tttccgacag	agaaaggaat	ctgtagttca	gcacttgatc	catctgtgtg	aggaaaagcg	180
tgcaagtatc	agtgatgctg	ccctgttaga	catcatttat	atgcaatttc	atcagcacca	240
gaaagtttgg	gatgtttttc	agatgagtaa	aggaccaggt	gaagatgttg	acctttttga	300

<210> 135

<211> 300

<212> DNA

<213> Homo sapiens

<400> 135

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atggatgaga	ctgttgctga	gttcatcaag	aggaccatct	tgaaaatccc	catgaatgaa	120
ctgacaacaa	tcctgaaggc	ctgggatttt	ttgtctgaaa	atcaactgca	gactgtaaat	180
ttccgacaga	gaaaggaatc	tgtagttcag	cacttgatcc	atctgtgtga	ggaaaagcgt	240
gcaagtatca	gtgatgctgc	cctgttagac	atcattttata	tgcaatttca	tcagcaccag	300

<210> 136

<211> 300

<212> DNA

<213> Homo sapiens

<400> 136

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aaaaacagct	ttgtcctggg	tgaaaaagga	tgccaaaatt	gcctggaaaa	gagcagtgag	120
aggagtccgg	gagatgtgtg	atgcatgtga	agcaacattg	tttaacattc	actgggtctg	180
ccaaaaatgt	ggatttgtgg	tctgcttaga	ttgtttacaag	gcaaaggaaa	ggaagagttc	240
tagagataaa	gaactatatg	cttggatgaa	gtgtgtgaag	ggacagcctc	atgatcacia	300

<210> 137

<211> 300

<212> DNA

<213> Homo sapiens

<400> 137

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gcatcactct	tatgcttggt	tacatctata	atcttctatg	aaatgggtgg	accaaggggc	120
gccaacacgc	ttttatcccc	attcttagag	catattcttt	attataatga	ttatccaaca	180
tatttcttta	attttaatac	aaaaaatata	tcattttaatt	tttgttacat	atgaacattc	240
atttttaaat	gctcagcctc	aagtgcaggc	atttttgagt	ggcctgatta	catattcctc	300

<210> 138
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 138						
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gcaaaaaatt	ccaacccttt	tcctcccagt	cattgaaaca	ccaaaactat	tataccggag	120
ggtgtaatag	ttttgctgcc	cagttgtggg	aggccagtag	tggcctccca	agatgcccac	180
gtcctaatac	caggaacctg	tcaaaattac	cttgtatggc	caaaggggct	ttgcagatgt	240
aatgaagtta	aggatctttc	gccaggaaga	ttatcccagc	ttgttcagga	gggcttgatg	300

<210> 139
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 139						
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tttttttctg	gagctaaatc	aaggaaggat	tatcacgtgg	cctcccttga	atataatttt	120
gaagctgtga	acagtaccat	cagtaacatt	ttatggacag	ctctgatggg	ttttatacca	180
cggcactctt	cttacctttg	ggggaagcta	tctggagtta	tgactgatgt	gtaaagtggg	240
ttactgttag	aatcctgggt	tgctaggatt	ctgggagagt	cactttcagg	aagttacctg	300

<210> 140
 <211> 300
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 <213> Homo sapiens

<400> 140						
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cctcaccatc	aagcgtgag	ccaatgcggg	tgtggctggc	cctgagttcc	tgagtcagct	120
ccttgccagg	gccagagctg	gtaacagcgg	ggcagcaggg	tgggtagcct	ctaccagcca	180
gggcagtccc	tgagggggcca	gcaggggggc	tgactgccta	gtggctcaac	ctcctgaacc	240
caccactccc	cagcgatgct	accagaacc	ccaacggcat	gaatcctgca	cagtgcgggg	300

<210> 141
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 141						
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gaatatctac	tgtgcgcca	gcagtgcgtc	acaactttat	gaagtaggta	ttattatcat	120
ccccatttta	caggtgaaga	aactgagtct	ctgagagacc	aacttttcca	aggtcacaca	180

gaggtgggat	ccagcccact	tccgtctgac	cccaagcccc	tgctgttaac	ccctgccccca	240
ttgtggggag	gttccggccc	actctggagt	tctctgggtct	gcgtcagtc	tcaggagaag	300

<210> 142
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 142						
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gcagagctgc	ttggatgtgt	gagtcatgaa	gccagagaag	ccccgctcca	tgagcagtga	120
ctccccaggc	cctgtgacct	ccctcctgtc	ttgcagctcc	tcctggcacc	agtccccagg	180
gctctcctgt	tggtagtctc	tgcttttctt	cttggaatt	cctcgtggac	ctcgagatct	240
ttaccctaaa	atagttctgt	tgaatttcac	cctggcaatg	taaattgata	gcttatcttc	300

<210> 143
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 143						
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cctggaggag	ggggctttcc	tggttggttg	cacagcagga	gtccaggctt	tgtaccgtgg	120
acaccatggg	ctatggcaac	accttcctca	ccatccttcc	atgaggacct	cgggagagag	180
tggacatgaa	accctttgtg	ctctgaagca	ttcaacagaa	gctttctggt	tctgtgccta	240
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<210> 144
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 144						
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tcccaagaag	gtacagaagt	ctttgcaaga	aaccattcag	tcctcaagc	ttaccaacca	180
ggagctgctg	aggaagggtg	gcagtaacaa	ccaggatgtc	gtcacctgtg	acatggcctg	240
caagggcctg	ttgcagcagg	ttcaggggtc	tcggctgccc	tggacgcggc	tcctcctggt	300

<210> 145
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 145						
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ctgggttccc	atggcatgtg	gtggccttag	aggaggtgtt	cagcctgcc	ccgtcgggtg	120
tttggtgctc	tgcccaggag	ctgggtgggat	ccgagggggc	ctacaaggcg	gccgtggaca	180
gcttcctcca	gcagcagcat	gtgctggggg	ccgggggttg	tcctggnccg	actcaagggg	240
annnnnnnnn	nnncncaacc	cccgtctggac	cccngaanc	tggcaagacc	ngctgcccct	300

<210> 146
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 146
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 gactagagaa caaactaagg ttgctgcaac aaacaaggac ctcttccaag aagggctccc 120
 aggcctggcg cagtgactca tgcctgtgat cccagcactt gggaggccga ggcgggtgga 180
 tcatttgagg ccaggagttc gagaccagct tggccaacat gatgagaccc cgtctctatt 240
 aaaaatacaa aaattagcca ggcgtggtgg cgctgtagt cccagctact caggaggttg 300

<210> 147
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 147
 ggnaangcna nngnaggaga nagagaagna ncagtnnagn cccangaaac ccnntgaaac 60
 ccttagaagn cagaggagng aaaggangaa aaanangggn ggangagaac nnannnnggn 120
 caaannaagg angannnta ggngngaaaa anaanaacaa anggggaaaa ngggaaaaaa 180
 ggcgananaag gnaanannag nanaaggngg aananannnn annagaaagg ncaanaaaag 240
 aagnacaaag aaaaangana anaagnaann annanannga cagagacaag aagga 295

<210> 148
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 148
 cgctgtgctt gagaccaacc tgacgggtac cttctacatg tgcaaagcag tttacagctc 60
 ctggatgaaa gagcatggag gatctatcgt caatatcatt gtccctacta aagctggatt 120
 tccattagct gtgcattctg gagctgcaag agcagggtgtt tacaacctca ccaaattctt 180
 agctttggaa tgggcctgca gtggaatacg gatcaattgt gttgcccttg gagttattta 240
 ttcccagact gctgtggaga actatggttc ctggggacaa agcttctttg aagggtcttt 300

<210> 149
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 149
 agtgtcagtt ttcctaattc cagtccaggt aggaattaag aaatatctca agtgttgatg 60
 ctatccaagc atgttggggg ggaaggggaat tggtgcccag aaaatgggac tggagtgagg 120
 aatatctttt cttttgagag taccctcagc ttattttctac tgtgctttat tgctactgtt 180
 ctttattgtg aatgttgtaa cattttaaaa atgttttgcc atagcttttt aggacttggt 240
 gttaaaggag ccagtgggtc ctctgggtgg gtactataat gagttattgt gaccacagc 300

<210> 150
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 150

tgttagacttt	atgtcagttc	tgtgtagact	ttatgtcagt	ttttgtcatt	atttgaaaat	60
ctattctgac	aactttttta	ttcctttgat	cttataagtt	aaagctgtaa	caactgaaat	120
tgcattggatc	aagtaagcat	agtttttatcc	agggagaaaa	ataaaaaggaa	gccatagaat	180
tgctctggtc	aaaaccaagc	acaccatagc	cttaactgaa	tatttaggaa	atctgcctaa	240
tctgcttata	tttgggtgtt	gttttttgac	tggtgggctt	tgggaagatg	ttatttatga	300

<210> 151

<211> 300

<212> DNA

<213> Homo sapiens

<400> 151

gcgggcccg	ccagcggag	ccctgcgcc	cgcgccatgt	caaagaaaa	aggactgagt	60
gcagaagaaa	agagaactcg	catgatggaa	atattttctg	aaacaaaaga	tgtatttcaa	120
ttaaaagact	tggagaagat	tgctcccaa	gagaaaggca	ttactgctat	gtcagtaaaa	180
gaagtccttc	aaagcttagt	tgatgatgg	atgggttgact	gtgagaggat	cggaacttct	240
aattattatt	gggcttttcc	aagtaaagct	cttcatgcaa	ggaaacataa	gttggagggt	300

<210> 152

<211> 300

<212> DNA

<213> Homo sapiens

<400> 152

gatattcaca	cagtatgtat	tatattaacc	atatcacact	taagttatta	aattcagact	60
atttgtaact	tattgttata	gggcctgccg	tatggcttag	gatatttgag	taatcatata	120
tttaaagtaa	aaactttggg	ctgggcacag	tggctcacac	ctgtaatccc	agcacttggg	180
gaagctgagg	tgggcagatc	agttgaggtc	aggagttcta	gaccagcctg	gtcaacatgg	240
cgaaacccca	tctctactaa	aaatacaaaa	attagctggg	cgtgggtggc	cacacctgta	300

<210> 153

<211> 300

<212> DNA

<213> Homo sapiens

<400> 153

cagagaccag	ccttctccag	aggctgtcac	tgcaggagcc	gtgggcctgg	gaagacttgg	60
aagcggcctc	tctcaactgg	tttctgtctc	cgtggagctg	gaactgcctg	cacttgcctt	120
cagagggagg	cacagtccac	ccagatccac	ctttccagca	agacccccag	tggtgcecca	180
gcctgggagc	acctctttgc	ttttcacacc	aaacaaaac	tggcgagagc	ccctcctagc	240
caccagtgat	ccccaaagcat	ccagtacaga	accaggcatc	gagctagctc	cctgcacggc	300

<210> 154

<211> 300

<212> DNA

<213> Homo sapiens

<400> 154
 cttgacctct gtactttaaa gaaatcacta accaaatttt caaagtttcc ttttaaagtgc 60
 gtttagctag aaatctatgt atttatccct ttcctatttt gcattcttct cccactattt 120
 ttaaaaactc atttacagta gaaaccattc ttctttctcc caacagtatc ctttgccaag 180
 accatgagaa cagtatggga gcatgttggt ggtcagggtt tcagaatacg cgtgatgtca 240
 ctgagaatgt ttgctcacag tcaataattg tctttgtgga tgtgataatt ttggagatac 300

<210> 155
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 155
 gatcattgtt aattagtgc atagtaacat ctgtagcagc tggtagtaa acctcatgtg 60
 ggggaggtgt gggaggtttt a 81

<210> 156
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 156
 ggcagcacia gtgtgcaaac agctatggaa agtgaactcg gagagtctag tgccacaatc 60
 aataaaagac tctgcaaag tacaatagaa ctttcagaaa attctttact tccagcttct 120
 tctatgttga ctggcacaca aagcttgctg caacctcatt tagagagggg tgccatcgat 180
 gctctacagt tatgttgttt gttacttccc ccaccaaatc gtagaaagct tcaactttta 240
 atgcgtatga tttcccgaat gagtcaaaat gttgatatgc ccaaacttca tgatgcaatg 300

<210> 157
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 157
 ctggtgagga gtctttgcga gagcgaggag cagcgggttac tggaacaggt gcatggcgaa 60
 gaggagcggg cccaccagag catcctgaca cagcgggtgc actggggcca ggcgctgcag 120
 aaacttgaca ccatccgcac tggcctgggt ggcattgctta ctcacctgga tgacctccag 180
 ctgattcaga aggagcaaga gattttcgag aggaccgaag aagcagaggg cattttggat 240
 ccccaggagt cggaaatggt aaactttaat gagaagtgc ctcggagccc actactgacc 300

<210> 158
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 158
 cgacagctct ccaataactca ggttaatgct gaaaaatcat ccaagacagt tattgcaaga 60
 gtttaatttt tgaaaactgg ctactgctct gtgtttacag acgtgtgcag ttgtaggcat 120
 gtagctacag gacattttta agggcccagg atcgtttttt cccagggcaa gcagaagaga 180
 aatggttgta tatgtctttt acccggcaca ttccccttgc ctaaatacaa gggctggagt 240
 ctgcacggga cctattagag tattttccac aatgatgatg atttcagcag ggatgacgtc 300

<210> 159
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 159
 agtaccacaga gttgacgagga gttttttaac tgatttagcc aggtggcaat catgagtga 60
 tggatgaaga aaggccctt agaatggcaa gattacattt acaaagaggt ccgagtgaca 120
 gccagtgaga agaatgagta taaaggatgg gttttaacta cagaccaggt ctctgccaat 180
 attgtccttg tgaacttcct tgaagatggc agcatgtctg tgaccggaat tatgggacat 240
 gctgtgcaga ctgttgaaac tatgaatgaa ggggaccata gagtggaggga gaagctgatg 300

<210> 160
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 160
 ctttgagcta ggataaaaat tgggtaaagg acatttgctt acctgcaaat gaatcactgt 60
 ggaaatgtga tcttcccata tcatcaagaa acttgttttc tggatgaata ctgggagaa 120
 aaaatgagaa ctctggagtg agctaaattg atccaatta agtttttctg cttagcagac 180
 agaaggtata attttttgac accctttccc acctggtgcc tatgctaggc ttgttctgat 240
 aacatccctc actnactnga tnntcacatn gnncttnenc tgangtccca tttt 294

<210> 161
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 161
 cttcctcaaa gcatggttgc tgagtaccca gagttgagag gagtttttta actgatttag 60
 ccaggtggca atcatgagtg aatggatgaa gaaaggcccc ttagaatggc aagattacat 120
 ttacaaagag gtccgagtg cagccagtg gaagaatgag tataaaggat gggttttaac 180
 tacagaccca gtctctgcca atattgtcct tgtgaacttc cttgaagatg gcagcatgtc 240
 tgtgaccgga attatgggac atgctgtgca gactgttgaa actatgaatg aaggggacca 300

<210> 162
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 162
 gccccgtgtg gggagacgga cagcaccctc ctcatctggc aggtgccctt gatgctatag 60
 cgctccctc ctccctcag agggcacagc tgcaggcctg accaaggcca cgcccggtc 120
 tcgtgctcta ggacctgcac gggacttggt gatgggcctg gactctccag aaactacttg 180
 ggccagagca aaggaaaacc tcttgtttta aaaaaatttt tttcagagtg ttttggggag 240
 gagtttttagg gcttggggag agggaggaca catctggagg aaatggcctt ctttttaaaa 300

<210> 163
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 163

gaccggctgg	gcctacaaaa	agatcgagct	ggaggatctc	aggtttcttc	tggtctgtgg	60
ggagggcaaa	aaggctcggg	tgatggccac	cattgggggtg	acccgaggct	tgggagacca	120
cagccttaag	gtctgcagtt	ccaccctgcc	catcaagccc	tttctctct	gcttcctga	180
ggtacgagt	tatgacctga	cacaatatga	gcactgcccc	gatgatgtgc	tagtcctggg	240
aacagatggc	ctgtgggatg	tcactactga	ctgtgaggta	tctgccactg	tggacagggt	300

<210> 164

<211> 300

<212> DNA

<213> Homo sapiens

<400> 164

aaaatttata	ngtaatgaca	aatgacttat	cagtgttcat	catctgaaag	ctaagtgggt	60
cgttcaatca	ctttttcaaa	gttgatagta	gattgcatgg	tttcatgttt	cctcatattg	120
gtttattaat	tctatttaat	caaggaaaat	aacttcagat	tccataaagt	ttcagtttat	180
ttttagttta	ctactaggtg	agatagcaca	ttacatactt	ttactatcaa	atattatttt	240
agcagcttcc	catagtacca	aatgatttga	ttccctactc	tcatttttta	aagcatataa	300

<210> 165

<211> 300

<212> DNA

<213> Homo sapiens

<400> 165

ctggactctg	agtcgtcttg	gtcccaggag	ccagtagtga	aggcaacagt	ctgcccacct	60
gtggacacca	gacctggga	gctcctgggt	agcaagtga	atctctggga	tgtcagtga	120
gctggttgaa	gaccagaggt	aaactgcaga	ggtcaccacc	cccaccatgt	cccagggtgat	180
gtccagccca	ctgctggcag	gaggccatgc	tgtcagcttg	gcgccttggt	atgagcccag	240
gaggaccctg	caccagcac	ccagccccag	cctgccaccc	cagtgttctt	actacaccac	300

<210> 166

<211> 300

<212> DNA

<213> Homo sapiens

<400> 166

cttctgttga	ttggtttggt	taaagtacct	aagtactacc	ctttgactcc	ctaccaaag	60
ttcttttggt	ttttaacaa	cttttatttg	tgacttactt	tcttgagaag	tgttcttaat	120
gaattgcata	aatagtgggt	agcagcttat	ttcttaagta	ctttattatt	tgtgctttac	180
catttcaggt	tcttatcttt	aacccttatt	tactcagttt	tccatctgaa	tgatcctatc	240
tctaaattaa	ggatttaata	aatgctgcaa	attgtccact	ttgcaaattg	tccaaaagct	300

<210> 167

<211> 300

<212> DNA

<213> Homo sapiens

<400> 167

gcgagatgaa	gctacactgt	gaggtggagg	tgatcagccg	gcacttgccc	gccttggggc	60
ttaggaaccg	gggcaagggc	gtccgagccg	tgttgagcct	ctgtcagcag	acttccagga	120
gtcagccgcc	gggccgagcc	ttcctgctca	tctccaccct	gaaggacaag	cgcgggaccc	180
gctatgagct	aaggggagaac	attgagcaat	tcttcaccaa	atttgtagat	gaggggaaag	240
ccactgttcg	gttaaaggag	cctcctgtgg	atatctgtct	aagtaaggat	tccatatggc	300

<210> 168
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 168						
gtctggggcag	cctacgcttt	ccggataaaa	atggcagaat	gaaagaatta	tgagtggaac	60
tagagaatag	gaaagacatg	aaccaacgcc	caaaatgaga	aagaaggaca	tataaagaaa	120
aagacaaata	caagtgaaaa	aaatatacta	atggattaac	gtccctgtcg	agtgacattt	180
tctgactatg	gaaatgatat	tagacaaaaa	gcaacttcaa	gtgggtttct	tatttgagtt	240
caaaatgggt	cataacgcag	catagataac	ttgaaacatg	aacagcgcac	ttggcccagg	300

<210> 169
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 169						
gagatctctg	ggatgtcagt	gaggctgggt	gaagaccaga	ggtaaactgc	ggaggtcacc	60
accctcacca	tgtcccaggt	gatgtccagc	ccactgctgg	caggaggcca	tgctgtcagc	120
ttggcgccct	gtgatgagcc	caggaggacc	ctgcacccag	caccagcccc	cagcctgcca	180
ccccagtgtt	cttactacac	cacggaaggc	tggggagccc	aagccctgat	ggccccgtgc	240
cctncattgg	gnccccctggc	tanttcancn	agncccnacg	gtngagncca	aagcca	296

<210> 170
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 170						
gggtgttgga	gcagattgta	gttgatccac	agcaaagagc	atcaccaaag	ccattccagg	60
aggaactaga	tccaccactt	cctctgctgg	gcatgctcca	aaaatgggtg	tggcttccag	120
agaggactcc	aaaagaaagc	acaaaaacta	gacagtggga	gggcataccc	aaaagccctg	180
agtttctgaa	aaaatattga	aagtttctat	ggtgaaatag	gaagttaatg	tgcttaggaa	240
gaaaaaagtg	gtaatgattc	aaggaaacat	aatcacacac	ggtttttagt	ttaatggaca	300

<210> 171
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 171						
atggaggcac	cagcaggtag	tggccccctgt	aagcagggcc	agagtcggga	caaagagcag	60
gagtgaagca	gccaagagac	agaggaccag	gctggagcca	gtgggcacgc	aggagcctgc	120
ctgggaaaag	ccggggggca	aggctggcat	gggaatgaac	acctgctggt	gacacctctc	180

tgagcttcag	ttcccttaac	tagaaaaata	gaacaggccc	ggtgcggtgg	ctcatacctg	240
taatcccagc	actttgggag	gctgaggcgg	gtggatcatg	aggtcaggag	atcaagacca	300

<210> 172
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 172						
ggcggaggag	cagaagctca	agctggagcg	gctcatgaag	aaccgggaca	aagcagttcc	60
aattccagag	aaaatgagtg	aatgggcacc	tcgacctccc	ccagaatttg	tccgagatgt	120
catgggttca	agtgtctggg	ccggcagtg	agagttccac	gtgtacagac	atctgcgcgc	180
gagagaatat	cagcgacagg	actacatgga	tgccatggct	gagaagcaaa	aattggatgc	240
agagtttcag	aaaagactgg	aaaagaataa	aattgctgca	gaggagcaga	ccgcaaagcg	300

<210> 173
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 173						
gtctttccca	ttcacttctc	tagaaagctg	ccaagacaga	ggcagaaaga	aatggatgat	60
agttctgtca	agcacacttc	tgttctctta	gaacttagaa	gtgtttctaa	gagaacagaa	120
gtaataagag	aaacagttac	gtgtggaatt	caacatcttt	ggttggaacg	cattggcttt	180
ttttttcttg	ttttgataga	aatggaatta	agcaaaagta	gtttttgtct	tttctgttgt	240
cttcaaattt	caggccatct	atttttaatt	taatcccggt	caagtacttg	attgtttatac	300

<210> 174
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 174						
attatttcca	aagcagccta	cagtagaaaa	tagtcattat	ggcagcagct	tctgatgttt	60
ttgtttggta	ggttttctga	tttcaatata	tagaatcata	ttcatagagt	atcttctttt	120
aacgaattgc	acaaagtacc	cattttaa	ttacatgcac	agttcattgc	cacctttctt	180
aggcctatgc	atagttaata	aggttataat	ctactcaaca	tggaaaatgg	agcctatttg	240
caaacacaca	agtaattaaa	gtaccaatc	tctcttagtt	tcttttttta	tagttgggtt	300

<210> 175
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 175						
tgganactct	ttantatgga	aggtgaattt	cctgtcaaca	tagtccagga	caaagcagtt	60
ccaattccag	agaaaatgag	tgaatgggca	cctcgacctc	ccccagaatt	tgtccgagat	120
gtcatgggtt	caagtgtctg	ggccggcagt	ggagagtctc	acgtgtacag	acatctgcgc	180
cggagagaa	atcagcgaca	ggactacatg	gatgccatgg	ctgagaagca	aaaattggat	240
gcagagtttc	agaaaagact	ggaaaagaat	aaaattgctg	cagaggagca	gaccgcaaag	300

<210> 176
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 176
 tataaaacttt attttattct cttctggggt agagttacat gacaagaaat tgaattaatt 60
 caataaaaatt ttagttcggg ttgcttaggt ttttactgct cccattcttg cttttactaa 120
 tttatccaag attagatgtg attactatct aataataatt tagtcctcac acttacaac 180
 cacttacaat accagcatgc ttctatcact gtaattctat tcaattctca ggcccatgag 240
 gcatgccagc cagacgacca gacagcattt atagagaggg cactcaatac cagccacaaa 300

<210> 177
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 177
 gactggagaa gtcagaagta gaaaagcaga ttgctaggag agacaggatg acagattttg 60
 gtcagaaaat gggatattgg agtttaaagt atcaaataca gaatagttcc agatgttcag 120
 agatccagca tgggattagg tactgaaatg gattagaact aaaagtcact agaattttaga 180
 aattgagaac catgagagtg gatgcaatga cttgttgctt gattgaaaaa taaattaata 240
 ataataaagg accatgagac tagcctgtta taggggggtat ctccatgann nttgtttttc 300

<210> 178
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 178
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 gagtcctgtg tgcacagtaa tatcctgggt caggtaaaat ccaggctctc aagttttaag 120
 gattttttga agaattcggg cttctttaag acgatccatg cccaaatcca caagcttggt 180
 gacagtggat tacagtttgt gtggcaaagt ccaagttggt aactgtgtgt ttaaaaaaaa 240
 tcttatctgc atgtattgtt aacttagaga ccatgagatc tatttatcag gaccaggaag 300

<210> 179
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 179
 ctcatgcctg taatcccagc actttgggaa gcagaggtgg caggatcatt ccagcccagg 60
 agttcaagac cagcctgggc aacacagtga gtgagaccct gtctctatct aagaaaaaat 120
 aattaagaaa ttttattaaa aaagaagaat caggaaacca agtccaaccc aactaaacct 180
 caaatgaacc agcccctaac acagatgagg ggatttggga ctgataagct ctgtgctgtg 240
 tccatggccc gtcatttatc aaggctgcag ctttgtaaata gtggctatct ttatgttgtg 300

<210> 180
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 180

gtgatctgcc	tgccttggtc	tcccaaagt	ctgggaatac	aggcatgagc	caccgcactc	60
ggccaggagc	tagttttatc	agcatcctgc	tccactgcct	tcctctagt	cagcctggaa	120
gacatggcag	cgggtagctc	ctgggggctga	gccagaagca	tcactgcagt	gaaagtctct	180
gcttacctgt	ctggctcagc	ttgggcaagg	gctgggccat	atgtgctcag	ggacgtgctt	240
ctcttgtaag	gcaggaggat	agaagaggac	caagaaggga	gggagctgcc	ctgtggtgca	300

<210> 181

<211> 300

<212> DNA

<213> Homo sapiens

<400> 181

cccatgccgg	gatcttccca	caccgcctct	cacagatcca	gccccagccc	cttgcttccc	60
aggccatctc	tcagcagcac	ctgcaggatg	cgggcacccg	ggagtggagc	cctcagaacg	120
catccatgtc	ggagtctctc	tccatcccag	cttccctgaa	cgacgcggct	ttggctcaga	180
tgaacagtga	ggtgcagctc	ctgactgaaa	aggccctgat	ggagcttggg	ggtgggaagc	240
cgttccgca	ccccggggcg	tggttcgtct	ccttggatgg	caggtccaac	gctcacgtta	300

<210> 182

<211> 300

<212> DNA

<213> Homo sapiens

<400> 182

tttgcaagtgt	tgtcagaaac	aaataataaa	gccccaaaag	attaactagt	tgaaaaaact	60
ggcaaaatct	gtatacgtgg	aaattttacca	ggacagagac	tgaagaataa	agaaaatgag	120
tttcattgcc	agatcatgaa	atccaaagaa	acttttaaaga	agatgagttg	tgtaaatgga	180
actgaaggga	gggaagagct	gccttcgcct	gggacaaaga	aaacatgtgt	atacacatgg	240
gtcaagcagt	gctggctctgt	ggctgcctgt	ccagaggaat	ggaaatatcc	cttgtcttta	300

<210> 183

<211> 300

<212> DNA

<213> Homo sapiens

<400> 183

cggacccatc	ggagcgtaac	ctggatctcc	gcaggcctgg	cggaggccgg	ccacctggag	60
gggcattgct	tggttcgcgt	ggtagcagag	gagcttgaga	atgttcgcat	cttaccacat	120
acagttcttt	acatggctga	ttcagaaact	ttcattagtc	tgggaagagt	tcgtggccat	180
aagagagcaa	ggaaaagaac	tagtatggaa	acagcacttg	cccttgagaa	gctattcccc	240
aaacaatgcc	aagtccttgg	gattgtgacc	ccaggaattg	tagtgactcc	aatgggatca	300

<210> 184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 184

ctgttttgca	gatgaggaaa	ctgaggtaca	gaattcttag	ggaacttacc	caaaatggct	60
tttctgcact	ctgccctttg	gtattgtccc	atgtgaattg	tttaaaactt	atgtgtatag	120
tggcatgagt	aggtgatttc	agaaacagaa	ctcacttttg	ttgtttggtc	ttaaaattag	180
gaacttttct	tcacttgggc	ttcatttccc	tgcaccttcc	cagctttcta	gtcatgcaag	240
ccacatgtct	ccacgtgagg	ggttcattgg	aaagcagcca	cagagccacc	ccctggctgg	300

<210> 185
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 185						
attatagaga	ttaatctcct	ttgctcgaag	tctattttaa	tattagtcac	atctaaaaca	60
tacttttaca	gcaacatcta	gactgggtgt	tgaccaaaca	actgggcatc	atagctgaca	120
cataaaatta	accatcacaa	ccatgttcta	ggcactgttc	ctcactgcct	gagaagacac	180
cgttatgttt	attaggggtt	ttgagtttta	tccacagctt	ttggttatct	gcaaccatgt	240
ctcccacctt	taacatagtt					260

<210> 186
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 186						
gataaactct	tcagtgacga	atattagaaa	aagttagtta	tacatttgag	gaaaactata	60
aaagtaccaa	taatgagtag	gaaatcactt	ctgcagtatt	tttggagcat	tttccttaag	120
catgacataa	aagccaaagg	tcacaaggga	aaaaactgat	agatttgtct	gtgatattga	180
gagatgtatg	cacatataca	tacaacagtc	atagtaagac	accgttagac	aaaagggtgat	240
gtatgaaaaa	gaggcaaaac	aacaagaaga	aaagattgaa	aaaatgagag	ctgaagacgg	300

<210> 187
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 187						
aaaaagtaaa	gcttttcatg	agcacaaatc	ccttgcattg	tttgatgtta	ctgatattcg	60
taaaatgaat	attttttgtt	ttgttttgtt	ttattttttt	gagacaagtc	ttgctttgtt	120
gcccaggctg	gagtgcattg	gcatgatctt	ggctcactgc	aacctctgcc	ttgcgagttc	180
aagtgattct	tctgcctcag	cctcctgagt	agctgggatt	acaggcgctc	accaccacac	240
ccagctaatt	tctgtatttt	tagtagacac	agggtttttac	catgtttggc	angctggtct	300

<210> 188
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 188						
gagcattcct	cctttgttaa	cgaagcaaca	tttacacaag	atggacatta	cattattagt	60
gcatgctctg	atggcactgt	aaagatctgg	aatatgaaga	ccacagaatg	ttcaaatacc	120
tttaaatccc	tgggcagcac	cgcagggaca	gatattaccg	tcaacagtgt	gattctactt	180

cctaaaaacc	ctgagcactt	tgtggtgtgc	aacagatcaa	acacggtggt	catcatgaac	240
atgcaggggc	agattgtcag	aagcttcagt	tctggtaaaa	gagaagggtg	ggactttgtt	300

<210> 189
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 189						
ctaatatcca	gaatctacaa	agaactcaac	aagaaaaaaa	ccaaccccac	aagcgggcaa	60
aggacatgaa	cagacatttc	ccaaaagaag	acatacaagc	aacctaaaat	aatctaaaat	120
aattttttaa	aagaaaaaat	gcttgacaga	gttttgatag	tacttagtaa	aaagttatat	180
ctagtggctt	tttgtttgtt	tgtttttgtt	ttgtttttta	gaaatagtct	ctgtttccca	240
agctggagta	cagtggcgca	atcttggtct	actgcaacct	cgaactcctg	ggctcaagcg	300

<210> 190
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 190						
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cgtagcagtc	agcgcagtga	cgtgggctgg	cgcttgtttg	atgacagcac	agtgacaacg	120
gtagacgaga	gccaggttgt	gacgcgttat	gcctatgtac	tcttctaccg	ccggcggaac	180
tctcctgtgg	agaggccccc	cagggcaggt	cactctgagc	accacccaga	cctaggccct	240
gcagctgagg	ctgctgccag	ccagggacta	ggccctggcc	aggcccccga	ggtggcccca	300

<210> 191
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 191						
gcggcgctga	cccggccggc	cccacacccg	ctcttcctct	tctttgccgc	ggactccctt	60
tcttgctcc	aagacctggt	gtctcccact	gtgagcccag	ctgtcccaca	ggcagtcctc	120
atggacctag	actcaccttc	cccttgcttc	tatgaacctc	tgctggggcc	agccctgtc	180
ccagctcccg	acctgcactt	cctgctggac	tcaggcctcc	agctccctgc	ccagcgagcg	240
gcctcagcca	ccgctcctcc	tttcttcctg	gccctgctgt	caggcagctt	tgcagaagcc	300

<210> 192
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 192						
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ggccctggga	acagagtttt	tgacgctttt	gaccagagag	gaaagcgaga	atttgaaaga	120
tatggtggga	atgacaaaat	agcagtcaga	actgaagaca	acatgggtgg	atgtggagtt	180
cgaacctggg	gatcgggtaa	agataccagt	gatgtggagc	caactgcacc	gatggaggaa	240
cccacagtgg	tggaggagtc	ccagggcacc	ccggaagagg	agtctccagc	caaagttcct	300

<210> 193
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 193
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 gatgatgaca cttacatgaa ggatttatat cagcttaacc caaatgctga gtgggttata 120
 aagtcaaagc cattgtagaa gacttaacaa gctgcagata accatgtgga cttctgtcat 180
 aattcttgct gagtcaagag tgtaaataaa agaaatggca ggactcatat tattcagttg 240
 tacccaagta tttaaaaatg actctcttaa gccttaaaaa gtcatagatt tgtgctgctg 300

<210> 194
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 194
 cagaagctta gtcataatttc aaaatgatca aatatcaaga aaaattctga gctgcataac 60
 ttgtataaag taattttcag tgattttttt catgggtatg ataaaagaac tggattagca 120
 gaaactttta ccctgaatca agatttaatt tttcttttag ctcactctta ggatatcgga 180
 acatagggag caaacgatgg tgtggctgcc tcagtgcttg atttttaacg gttttgaaga 240
 gaatagttac atttcttctc ctagtaagaa ctaataaata cattaacaga aatgaattcc 300

<210> 195
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 195
 ctctactaaa aatacaaaaa ttagctgggc gtggtggcac acacctgtaa tcccagttac 60
 ttgggaggct gaggcacaag aatcgcttga acccgggagg cggagggttg agttagccaa 120
 gatcgccctg ctgcactcca gcctgggcaa cagagggaga ctctgtctcc aaaaacaaaa 180
 aaaaaaactg ttagtgaagg ttccctggga cttttgatat tttaaaaatt gatcttatga 240
 ctaagtagat aaattcattg ccataatgag gctagctccc agataaacag cgtattttct 300

<210> 196
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 196
 tggatactga caatggtggc aggcatttca agccttttaa attagtactt tttgtcgtct 60
 tgcttattaa aattttgtta atttttagca agaccaattg ttgtgataaa ctggtgtttt 120
 ttggatgctt caagcacacg ttaaccaatt ttttaattcc ccttttggtt cctccattg 180
 ttctaaaata ggactttcat attattaaaa cctcaaaaga tgatccaccc aggatgaaca 240
 aagatcacca aggggaaaga aaacattttt tatctttaca gaaaacatgt taagattata 300

<210> 197
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 197

atccagatgg	gatacctcta	aacacgaaaa	gaaagaagat	tccattagtg	aattttttaag	60
tttggctaga	tcaaaagccg	agccacctaa	acaacagtcc	agccccttag	taaacaaaga	120
ggaagagcat	gcaccagaat	catccgcaaa	tcagacagtc	aacaaagatg	tggacgcaca	180
ggctgaagga	gaagggagcc	gcccattccat	ggacttattc	agggccatct	ttgccagttc	240
ctcagatgaa	aagtcctcat	cctccgagga	tgagcaaggt	gacagtgaag	atgatcaggc	300

<210> 198

<211> 300

<212> DNA

<213> Homo sapiens

<400> 198

gcaacatttg	tctacaactc	tactgtaaaa	ttggaaatgc	ttttccacag	aaaaacctct	60
caaaatgctg	aatgcaaaaag	ttgggatcac	agaaacattg	tgcctatttt	tggtctgctg	120
gaaactgtat	ttttacaagg	taatccctgt	tttcaatata	gttcctgtct	tgccactggc	180
ggttttcttg	tagcattttt	ctagttctga	gattgctact	acccaaagta	ttcattttctt	240
tcttactggg	gtgtcctctg	tcttcacagc	ctgcttctgg	attgtaggtt	ttttcctttc	300

<210> 199

<211> 300

<212> DNA

<213> Homo sapiens

<400> 199

gcaacatttg	tctacaactc	tactgtaaaa	ttggaaatgc	ttttccacag	aaaaacctct	60
caaaatgctg	aatgcaaaaag	ttgggatcac	agaaacattg	tgcctatttt	tggtctgctg	120
gaaactgtat	ttttacaagg	taatccctgt	tttcaatata	gttcctgtct	tgccactggc	180
ggttttcttg	tagcattttt	ctagttctga	gattgctact	acccaaagta	ttcattttctt	240
tcttactggg	gtgtcctctg	tcttcacagc	ctgcttctgg	attgtaggtt	ttttcctttc	300

<210> 200

<211> 300

<212> DNA

<213> Homo sapiens

<400> 200

agtagaaaaa	tacaaagact	gtgatccgca	agttgtggaa	gaaatacgcc	aagcaaataa	60
agtagccaaa	gaagctgcta	acagatggac	tgataacata	ttcgcaataa	aatcttgggc	120
caaaagaaaa	tttgggtttg	aagaaaataa	aattgataga	acttttggaa	ttccagaaga	180
ctttgactac	atagactaaa	atattccatg	gtggtgaagg	atgtacaagc	ttgtgaatat	240
gtaaatttta	aactattatc	taactaagtg	tactgaattg	tcgtttgccc	tgtaactgtg	300

<210> 201

<211> 300

<212> DNA

<213> Homo sapiens

<400> 201

ttctactttg ggtccgcgcg aagcccactc acgtgtgata tgtgttgccc ctctcgggtg	60
tcccaggcga tccagccatg ccccttgccc ctctgcccag atgcttcagg ggcccggctt	120
ttcaggcttg ccctcaccag cggccgtcag ccgacactca gggatgtagc taacaccact	180
ccgccagtgc tttcagtagg aagagctgag gctgcctggg aggcccgggg cgaccggaaa	240
agggctctct caagttctga aaagagaatc tgccaccaga tcgaatttcg acccctgagc	300

<210> 202
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 202	
ggccatggga cagttgcaac agcagttaaa tggactgtca gtcagtgaag gtcattgattc	60
tgaagatatt ttgagcaaaa gtaacctgaa cccagatgcc aaggagttta ttccaggaga	120
gaagtactga gccgagaaaag ctttgaggaa gacttgtctg tccccacatc tggggatagt	180
aatgccc aaa atggtggagc tgaagagggg gatggggcgg gcgaggggtg cacagcggga	240
aggggagtg tggctctcag atactgtgac tctgagtaac t	281

<210> 203
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 203	
gccctcagcc acccccatcc ctgccccttc tgagactcac agcaccctt tccttcctct	60
cctcccacct cctccctcag cccctcattc tccttgggaa tctgcagagg gctctgggac	120
tcactgccgg atgtgaaatc caggcgtcag ctgtttccta ggcaagggca ggaaagtgg	180
ctccagccct tgctccactc atgcctgggg gcctggggct gagtgggtatc cctacctggc	240
ctccccctgg cctctggggc tccagcgtc gggtttgtcga gtgagagaga gagaggagct	300

<210> 204
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 204	
gcggactctc aggacgaaaa gagccaaacc tttttgggaa aatcagagga agtaactgga	60
aagcaagaag atcatggtat aaaggagaaa ggggtcccag tcagcgggca ggaggcgaaa	120
gagccagaga gttgggatgg gggcaggctg ggggcattgg gaagagcgag gagcagggaa	180
gaggagaatg agcatcatgg gccttcaatg cccgctctga tagccctga ggactctcct	240
cactgtgacc tgtttcagga gcctcatat	269

<210> 205
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 205	
ttctactttg ggtccgcgcg aagcccactc acgtgtgata tgtgttgccc ctctcgggtg	60
tcccaggcga tccagccatg ccccttgccc ctctgcccag atgcttcagg ggcccggctt	120
ttcaggcttg ccctcaccag cggccgtcag ccgacactca gggatgtagc taacaccact	180

ccgccagtgc	tttcagtagg	aagagctgag	gctgcctggg	aggccccggg	cgaccggaaa	240
agggctctct	caagttctga	aaagagaatc	tgccaccaga	tcgaatttcg	acccttgagc	300

<210> 206
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 206						
gggattacag	gcatgacca	ccgcgccag	cctgtaattt	cttatacttg	gtattttgta	60
cttggattat	gcttctgata	cgctataatt	atztatgtac	atggtatttt	tcttcaatag	120
actgtgaact	cttcgaatgt	aggactccta	gagctagata	ctcaattatt	ttttattaaa	180
ttgaatgact	tgaaactaca	gaccccttat	ttaaacttcc	caaattttctg	ctttatctag	240
gcaactcttt	aaattctttg	atctcatgta	gattccaaag	gctgaaataa	ttgagatttt	300

<210> 207
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 207						
tcctgaagct	cggggggctg	caggctcctga	ggaccctggg	gcaggagaag	ggcacggagg	60
tgctcgccgt	gcgcgtgggc	acactgctct	acgacctggg	cacggagaag	atgttcgccg	120
aggaggaggc	tgagctgacc	caggagatgt	ccccagagaa	gctgcagcag	tatcgccagg	180
tacacctcct	gccaggcctg	tggaacagg	gctgggtgca	gatcacggcc	cacctcctgg	240
cgctgcccga	gcatgatgcc	cgtgagaagg	tgctgcagac	actgggcgtc	ctcctgacca	300

<210> 208
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 208						
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attaaaacag	tttagtagcc	ttcagttttg	tgaaaatagt	tttcagcaca	gaaactgact	120
tcttttagaca	aagttttaac	caatgatggg	gtttgcttct	aggatataca	ctttaaaaga	180
actcactgtc	ccagtgggtg	tcattgatgg	cctttagtaa	attggagctg	cttaatcata	240
ttgatatacta	atttctttta	accacaatga	attgtcctta	attaccaaca	gtgaagcact	300

<210> 209
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 209						
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gccactgatg	gagatgcggc	tccgggatgc	gcctcagcac	ttctatgcag	cactgctgca	120
gctgggcctc	aagtacctct	ttatccttgg	tattcagatt	ctggcctgtg	ccttggcagc	180
ctccatcctt	cgcaggcatc	tcattggtctg	gaaagtgttt	gcccctaagt	tcataattga	240
ggctgtgggc	ttcattgtga	gcagcgtggg	acttctcctg	ggcatagctt	tggtgatgag	300

<210> 210
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 210
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 acgtcatggc cctgctataa ggtagtagtt ctagaagact gtttatctaa taattcagac 120
 taaagctatt tataattgctg tgacaccacg tggaaaactt ttataattcc atcttatttc 180
 tgatgtatat gttttatttt ctctgccttc ataagaacta aaaaccaaag ttatttacgt 240
 gaaaacaaga tttttgtttg agttcattta cttgagatat gtttaaaaaa tccaccttct 300

<210> 211
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 211
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 cttgtggaag aacagaatgc agagaaggcg aggaaagccg aagagatgag gcggcagcag 120
 aagctaaagc aggccaaact ggtggagcag tacagagaac agagctggat gactatggcc 180
 aatttggaga aagagctcca ggagatggag gcacggtacg agaaggagtt tggagatgga 240
 tcggatgaaa atgaaatgga agaacatgaa ctcaaagatg aggaggatgg taaagacagt 300

<210> 212
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 212
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 tgctggccct gctgcgagcc cacacgcccc tccacatggc tgccctcctc ctgcttccct 120
 ggctcatgtt gctcacaggc agagtgtctc tggcacagtt tgccttggcc ttcgtgacgg 180
 acacgtgcgt ggcgggtgcg ctgctgtgcg gggctgggct gctcttccat gggatgctgc 240
 tgctgcgggg ccagaccaca tgggagtggg ctcggggcca gcactcctat gacctgggtc 300

<210> 213
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 213
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 taattcatat aatgaatgta tttggaatac ttacatatta taaaataaac tatacctctt 120
 caagaggtat cctgttctgt aagatcagat gtttttattg caggtaata taatactgcc 180
 agagacagaa aataccccct tatcagtcctc ttagtgcttc tttctgtttg tggcatgggtg 240
 agaaaacca tgctgaaaag attgtacttt gtgatcccaa tcagaggag gagctaattc 300

<210> 214
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 214

ggaaagggcc	ctaaaagaga	tgaacaatac	ccgtatcatg	tggaatgaat	tagaaaccct	60
tgtcagagcc	catatcaaca	actcagagaa	acatcaaaga	gtcttggaat	gtctgatggc	120
atgcaggagc	aaacccccag	aagaggaaga	acgaaagaaa	cgaggaagaa	agaggggaaga	180
caaagaggac	aagtcagaga	aagcagtga	agattatgaa	caggaaaagt	cttggcaaga	240
ctcagagaga	ttaaaaggaa	tcttagaacg	tggaagaa	gaattggctg	aagctgagat	300

<210> 215

<211> 300

<212> DNA

<213> Homo sapiens

<400> 215

atacttttta	aacctttttt	ggcagctcag	atggtgtaaa	ttttaaaatt	ttgtataggt	60
atttcataac	aaaaatatgt	atttcttttt	tggtatttta	tcttgaaaac	ggtacatatt	120
ttagtatttg	tgcagaaaaa	caagtcctaa	agtatttggt	tttatttgta	ccatccactt	180
gtgccttact	gtatcctgtg	tcatgtccaa	tcagttgtaa	acaatggcat	ctttgaacag	240
tgtgatgaga	ataggaatgt	ggtgttttaa	agcagtgttg	cattttaate	agtaatctac	300

<210> 216

<211> 300

<212> DNA

<213> Homo sapiens

<400> 216

gcagatat	actgaaggaa	tctaggtt	gtatctcagt	gacaatggga	ataaagcatt	60
tctaaagcac	cgactggaga	ggaaggcaac	agagacaagg	agagaagccg	agagacatgt	120
ctgcgtgctg	ccacgcac	gagcgattgc	tctgtgaaga	ggtgtacact	gaacattttc	180
aggggaggct	gtttacccag	gcaatgtcct	caaacaagcc	tgtgccgggg	agtcctggaa	240
tctgtgccag	gactgtgttt	ttagcccttc	acctctcagc	tttagcagga	catgaaccag	300

<210> 217

<211> 300

<212> DNA

<213> Homo sapiens

<400> 217

cccccatctt	cactgggttat	tccacttatt	taaaatgtcc	agaataagca	aatctccata	60
tagaggaagt	agattagtgg	ttgcttcggg	atgggaggaa	tggaagatt	gaggtctttc	120
ttttgcagt	ataaaaatgt	cctaaaattg	actgtagcga	tggtcacaca	actctgaata	180
tgcttaagac	cattgaatta	cacactttac	gttggtgaat	tgtatggtat	gtaaattata	240
gttcaataac	atagttacaa	aagataatca	aaagcatgaa	agcactgttg	atgtgggttg	300

<210> 218

<211> 300

<212> DNA

<213> Homo sapiens

<400> 218

acggcctggt	ggagcagctg	tacgacctca	ccctggagta	cctgcacagc	caggcacact	60
gcacgggctt	cccggagctg	gtgctgcctg	tggctcctgca	gctgaagtcg	ttcctccggg	120
agtgcaaggt	ggccaactac	tgccggcagg	tgcagcagct	gcttgggaag	gttcaggaga	180
actcggcata	catctgcagc	cgccgccaga	gggtttcctt	cggcgtctct	gagcagcagg	240
cagtgggaagc	ctggggagaag	ctgacccggg	aagagggggac	acccttgacc	ttgtactaca	300

<210> 219
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 219						
caactagaga	agattggaca	gcaggctcgac	agagaacctg	gagatgtagc	tactccacca	60
cggagagaaa	agaagatagt	ggttgaagcc	ccagcaaagg	aatggagaaa	ggtagaggag	120
atgccacata	aaccacagaa	agatgaagat	ctgacacagg	attatgaaga	atggaaaaga	180
aaaatttttg	aaaatgctgc	cagtgtctaa	aaggctacag	cagagtgtat	tcagcttcca	240
aactggtata	cattccaaac	tgatagtaca	ttgccatctc	caggaagact	tgacggcttt	300

<210> 220
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 220						
ggtaagtcag	gtgattgaat	cccggaaagg	ttcattgtct	tcaagctcac	aatactattt	60
tgggacaaac	agttgtctag	tgtttggact	catgaaccct	gattcttgag	ggtggtattt	120
tactgctttt	gtgatttggt	ttcaacatat	atagtctttt	ctccggaggt	accttaggtc	180
agtggccagt	gtttcagccc	ctggaaaggg	catgggctgc	cactgaggtt	ggtcacaggc	240
ctctcagctc	atggtgggag					260

<210> 221
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 221						
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tctaccttct	caaacccccc	agccggcaca	tcacacaccg	gacaccagga	ccaagccca	120
gcagacacag	gatctgctaa	cgcagctggc	agctgaggtg	gctatcgatg	aaagctggaa	180
aggaggaggc	ccagtgaccc	tccaggacta	tcgcctccca	gacagtgatg	acgacgagga	240
tgaggagaca	gccatccaaa	gagtcctgca	gcagctcact	gaagaagctg	ccctgatgag	300

<210> 222
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 222						
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ctggcagtg	tcttcgtatt	ctctggcctg	tggggcgtgg	cagatgccgt	ctggcagaca	120
caaaacaatg	ctctctacgg	cgttctgttt	gagaagagca	aggaagctgc	cttcgccaat	180

taccgcctgt gggaggccct gggcttcgtc attgccttcg ggtacagcac gtttttgtgc	240
gtgcacgtca agctctacat tctgctgggg gtctgagcc tgaccatggg ggccgtatgg	300

<210> 223
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 223	
gccccctctg gatcctgagc tccctgctct agacagtgat ggtgattcag atgatggcga	60
agatgggtcga ggtgatgaga aacggaaaaa taaaggcact tcggacagct cctctggcaa	120
tgtatctgaa gggggaaagc cctcctgaca gccaggagga ctctttccag ggaagacaga	180
aatcaaaaga caaagctgcc actccaagaa aagatgggtcc caaacgttct gtactgtcca	240
agtcagttcc tgggtacaag ccaaagggtca ttccaaatgc tatatgtgga atttgtctga	300

<210> 224
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 224	
ctgcggccgc aggagctgtg gcggttttcc taatcctgcg aatatgggta gtgcttcgtt	60
ccatggacgt tacgccccgg gagtctctca gtatcttggt agtggctgag tccggtgggc	120
ataccactga gatcctgagg ctgcttgagg gcttgaccaa tgcctactca cctagacatt	180
atgtcattgc tgacactgat gaaatgagtg ccaataaaat aaattctttt gaactatgat	240
cgagctgata gagaccctag taacatgtat accaaatact acattcaccg aattccaaga	300

<210> 225
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 225	
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tggttgtagt tcctgctttt cttcttgga aatcctcgtg gacctcgaga tctttaccct	120
aaaatagttc tggtgaattt caccctggca atgtaaattg atagcttatt ttcacagatg	180
ccagacaatg gacaactcac catcagtcct ctgctcacct gagacaaatg catgtctgat	240
tgcttcctct gccctattgt ttatgtgaaa atgcagattc actgagccag actaaggcat	300

<210> 226
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 226	
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gtcaggagac ctggattctt gtgcccgtc tggcttttac agtctgcta actctatgca	120
gtcacttcct gccagcctgt ttccttacct acaagaggga gagacactcc ctggccagcc	180
tagttctcag ggtgaacgaa aggtcattat cactgcatcc tctagtcatt tgcttcttcg	240
ctaattaaca catcttgagc acctgcgatg ttccaggaac aggagatggc agcgtgcaag	300

<210> 227
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 227
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 atgtctcata ctaaccaaga agcaagaaaa gcccacatgca ttcatttttc acttggagtg 120
 acaatgggag aggtcaggaa tcaagttcac tttcaagatc taagggagtc cactatctgt 180
 gcaattgtat ttggcttttt tttgcactgt ttcaatgctg gtaattgaaa ccattttaat 240
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<210> 228
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 228
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 attccttgga cacacctagg atgttcttgc ctcttagctt gcctaccttt ctctcatcat 120
 ttgggcctca gcgaggatat catctcctca gagaagcctt ctgtgaccat gctatctaaa 180
 atactccagc acttcagtca ccctttatcc cattactctg ctttttcaga aacattggtg 240
 ctccctgaaa catatttggt tacttgctta gtgtcttttc tcccgcacta ccatgtaagc 300

<210> 229
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 229
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 agaaaaaagc atatcttcat tgacataaca gaagtgagat ggcccagtct tgatacagat 120
 ggtaccatga tatatatgga gagggtcatt gtgaagataa catctttaga tgggtcatgca 180
 tacctctgcc tgcccagatc tcagcatgaa tttacagtac attttttgtg taaagttagc 240
 cagaagtcag actcatctgc agtgttgtca gaaacaaata ataaagcccc aaaagataaa 300

<210> 230
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 230
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 aatgttaagt ggaaaaatat acagtttggt aaaataaact agattctaca tttatttgtg 120
 ggtttttttc cctccttttc tttccacagc acttttgata tcaagcaagt ggcttccttt 180
 ttgagatatt aaaaaaaaaa agaaaaggaa aaaagtaaata gannnnnnnn nnnnnaaccc 240
 tttctnattn gnattngttt nagnattgng aagttgngtt aanagtnct agntagaaat 300

<210> 231
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 231

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ccactaatta	gactttttan	ntaaaaaang	taggggggtt	taaaactact	ttcctactac	120
caaaaaatca	naaagtatct	agcttttctaa	atnggggaaag	caagcaatgt	tataaaaaacn	180
ctgaaggaat	ctctttcttc	gggacctttt	gttaaactcg	gttnaagctg	taaaccttat	240
ttaaaataaa	atttaccaca	naacaggaaa	tanaacctgg	ggaanactcn	aaatacncct	300

<210> 232

<211> 300

<212> DNA

<213> Homo sapiens

<400> 232

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atggcctggt	gccccacact	gctgcagcag	gagccccaag	gagtgcctagc	tgagggtggt	120
tgctggggtg	gtcctcatgg	acagtgaggt	gtgcaagggt	gactgagggg	tggtgggagg	180
ggatcacctg	ggttccaggc	catccttgct	gagcatcttt	gagcctgcct	tccggtggga	240
gcagaaaagg	ccagaccctg	ctgagttaga	ggctgctggg	atccactgtt	tccacacagc	300

<210> 233

<211> 300

<212> DNA

<213> Homo sapiens

<400> 233

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gcctggagct	gcagggtcccc	cggcatctct	ctctgtcccc	gcagcccagg	atggcctggt	120
gccccacact	gctgcagcag	gagccccaag	gagtgcctagc	tgagggtggt	tgctggggtg	180
gtcctcatgg	acagtgaggt	gtgcaagggt	gactgagggg	tggtgggagg	ggatcacctg	240
ggttccaggc	catccttgct	gagcatcttt	gagcctgcct	tccggtggga	gcagaaaagg	300

<210> 234

<211> 300

<212> DNA

<213> Homo sapiens

<400> 234

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gtttgccttt	ctttaactct	ggctccttct	ccttcttctg	tttgtgtatc	tgtttaattc	120
attgagttag	gaggacaggc	agaactgtgt	ctgccaagga	ccggatgtac	ttctttcctt	180
gctcttggtt	ttttgctcac	ttttatatgt	aaggatttag	tacaaacctt	aaggagagaa	240
agtagaggat	cagatcattg	ggacttggtc	tggtttcaag	aaagaattaa	caaattgccg	300

<210> 235

<211> 300

<212> DNA

<213> Homo sapiens

<400> 235

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cattaaaggg	tctattagct	ttctttccgt	ctgtctcaac	agctgagatg	gggccgcaa	120
ggagtgcctt	ccttttgctc	cctcctagct	gggagtgcg	gggtgggagt	tgtgtgcca	180
gggtgggggtg	tctcctggct	gggaaggagg	gaaaggagg	gagagttttg	cgggggttg	240
cagtggagag	caggctggag	aggagatggc	taatagctgt	ttaatggaaa	cctgctgggc	300

<210> 236
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 236						
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gatgccttct	aaatgtctat	ctccagtatg	gtcttttcc	ttaagctcta	gatccattga	120
caccctcacc	atctctaaaa	ggcatttcaa	actgaacaca	tctgatacag	aacttttcat	180
ttccttccca	actttgcca	cgccagcctg	ctcctccttc	acgctttcca	cttagtatat	240
gatcccacta	ttcactcagt	ctctgaagct	taaaacctag	gattcatcct	tgactactgt	300

<210> 237
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 237						
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ataggcagca	tgtcatccat	ggaagtgaac	gtggacatgc	tggagcagat	ggacctgatg	120
gacatatcgg	accaggaggc	cctggacgtc	ttcctgaact	ctggaggaga	agagaacact	180
gtgctgtccc	ccgccttagg	gcctgaatcc	agtacctgtc	agaatgagat	taccctccag	240
gttccaaatc	cctcagaatt	aagagccaag	ccaccttctt	cttcctccac	ctgcaccgac	300

<210> 238
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 238						
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agtgaacgtg	gacatgctgg	agcagatgga	cctgatggac	atatcggacc	aggaggccct	120
ggacgtcttc	ctgaactctg	gaggagaaga	gaacactgtg	ctgtcccccg	ccttagggcc	180
tgaatccagt	acctgtcaga	atgagattac	cctccagggt	ccaaatccct	cagaattaag	240
agccaagcca	ccttcttctt	cctccacctg	caccgactcg	gccacccggg	acatcagtga	300

<210> 239
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 239						
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aagaactggg	ggaacacagg	aacctagggg	aggaggggag	cgctgggcat	cctcaggctg	120
gcggccaagg	cctgcccctg	gaggcactag	aggagggcat	ctgtctgtgg	gagcccagag	180

gctgcaggga ggaggaggag ggaggtatct ggtgtgagcg ttgcccctgc gacatttggg	240
accacacagg tgggcttcct tattccctga caaagcctct gtttccagct cttccgcct	300

<210> 240
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 240	
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aaatgttttt aatatacatt cttattttgt cccacccctc cagaaataag ctggaaatct	120
taactttttg ggggggtcttt tttgggtgtt taatgggccc agaactgtgg tttaaatttt	180
tatgtatgta ttttcttttt tgtggagtat aaatttaaaa actggatttg ggacctaaaa	240
tactcctcag gttgatgtat tcatgaaagt tttta	274

<210> 241
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 241	
ctgttgccctg ccaagctcag ggcccattta tcatgcatct tcccatacctt gtctccccca	60
actgtccctt acctgagtca caatttcgcc aaagccaaag ggattgtcct aagccaatgt	120
tgatttatca ctcttcctgc tcaaaagccc ccaagatcac ctatcaatca cctacttgag	180
tgcaagcttt gactctgtca cctgacattc aagtcacctt ctgcccccat gccagtctta	240
tcccctcccc tacatatgcc ctatgcctca gtttgccctc cctccacttt aaaaagcctc	300

<210> 242
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 242	
ccgctggcta tgtggacgct ggggcagagc caggccggag tcgaatgac agccaggaag	60
agtttgccag gcagctacag ctctctgac ctcagacggt ggctgggtgcc tttggctact	120
tccagcagga taccaagggg ttgggtggact tccgagatgt ggcccttgca ctagcagctc	180
tggatggggg caggagcctg gaagagctaa ctctgtctggc ctttgaggta atgggggggtg	240
gcggtgggtgg ggggtgctta gtggctatgc tcaccccgct ccaggaggcc tatttttgta	300

<210> 243
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 243	
caagatctgg aggaatgcag agaggaactt gatacagatg aatatgaaga aaccaaaaag	60
gaaactctgg agcaactaag tgaatttaat gattcactaa agaaaattat gtctggaaat	120
atgacttttg tagatgaact aagtgggaat cagctggcta ttcaggcagc tatcagccag	180
gccttttaaaa ccccagaggt catcagattg tttgcaaaga aacaaccagg tcagcttcgg	240
acaaggttag cagagatgga tagagatctg atggtaggaa agctggaaag agacctgtac	300

<210> 244
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 244
 agtaaatttt ttatgcatat tttattgcaa taaaaaatga aaacagtttc aatctaggag 60
 gattttggat gcatctatgc cttgagaaat gaatggtttg atgtaaatgc atggtagcaa 120
 gaataaataa ttatgttaat tcatataata tgttatatat agtttttaaag aaaattctat 180
 cactgtcttc ctatgggtag ggctataatg tccagttctt tcagggatta agagggtagg 240
 gtctgaagtt aatccttggt tgtcgtaatg ttattaattt attcaaccaa gacttaattg 300

<210> 245
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 245
 tagacataga aaacatacag taagaatatg gtattataat cttacgggac cactgtcaaa 60
 tacgcggtct gtctttgaaa agttgtaatg cggcgcatga ctataaatac ctagctgggt 120
 agcatttaca ttccttgcca gggagtttga aatttatact atagaaataa ctttaggttt 180
 taggtagagt taaagaggta aagcacatgt tgccacaacc caggaaagta tttttaagaa 240
 agattggatt ttcctacctt tagagatcta aaaaaaattt aatataaaaa atcattttgt 300

<210> 246
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 246
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 ggtagtatag taaaaccaac cagctgaacc tttcaggcta caagagaacc cgggtcggta 120
 atgtcttttt aagaataatt ttttaattgct tataacaagc atattttgtg gcatttgaac 180
 tatatttact gctccaatat ccgttatttt ccaaaggatt ttgtatcttt ttgaaaatgt 240
 ttacatcatc agatgatcca cagaattcac tttatgtgag atctcccgag agtttccatc 300

<210> 247
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 247
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 gaagactgtc agaaagaaga ggagacaaaa caacaacaac ttcaagtgtc tcagaatgag 120
 attgaagaaa acaagctcaa actagtccaa caagaaatga tgtttcagag actccagaaa 180
 gagagagaaa gtgaagaaag caaattagaa accagtaaag tgacactgaa ggagcaacag 240
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<210> 248
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 248

gagaggatca	cttgagctta	ggagttcaaa	tccagcctga	gccaacataa	caagactttg	60
tctctaaaca	aaacagttat	tgtttaaaga	atctgaaatc	ttcatcttta	attcaggtag	120
caatgaatcg	agcccaagtt	tgtttgatat	ccagttccaa	gtctggagag	aggcatcttt	180
atcttattaa	agtatcgaga	gacaaaatat	cagacagcaa	tgaccaagag	tcagcaaatt	240
gtgatgcaaa	agggtatca	aaggaggct	ttttacagag	aactaaggaa	gagaaggagg	300

<210> 249

<211> 300

<212> DNA

<213> Homo sapiens

<400> 249

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tggtggctca	cacctgtagt	cctggctact	gaggaggctg	atgcaggaga	atcatttgaa	120
cccaggaggt	caaggctgca	gtgagctatg	attgcaccac	tgcaatccag	cctggacaac	180
acagtgagac	cctgcctcac	aaaaattata	ttctgatttt	ctgagtccat	gaacacattg	240
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<210> 250

<211> 300

<212> DNA

<213> Homo sapiens

<400> 250

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acaagggacc	acaaggacgg	gggcagtctc	cagacttccc	ctgggcgctt	gaccccaggc	120
cttgcagggg	agagagccag	ggcctccctc	aggtctttgt	tcattgctgt	ttccctgccg	180
tggacaccct	ttcccgtctc	ccgattctct	aaatcctgcc	ccatctccca	gatcttggtc	240
atgtccaagc	ttttccagga	agtcttagca	gctcccacac	cgcagagctc	gagatgtctc	300

<210> 251

<211> 300

<212> DNA

<213> Homo sapiens

<400> 251

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tcagcagggg	attatgaatt	agcacaagta	ttgcttgcta	tgcattgcta	tggtgaagat	120
cgaggggaata	aaggagacat	aactcccctg	atggcagctt	ccagtggagg	ttacttagat	180
attgtgaaat	tattacttct	tcattgatgt	gatgtcaact	cccagtctgc	aacaggaaac	240
actgcgctaa	cttatgcatg	tgctggagga	tttggttgaca	ttgttaaagt	gctccttaat	300

<210> 252

<211> 300

<212> DNA

<213> Homo sapiens

<400> 252

gcacttctct	ctcactggaa	agagaactgt	tctcctttct	ctttcttctg	cctattaagc	60
ctctgctcct	aaactcctca	tgtgtgtctg	tgtcctaaat	tttcctggca	tggcaggaca	120
aaccccggt	atttaccaca	gacaacaaaa	ccgcttcaact	atgatgtatg	catgctgcaa	180
aggaagagac	agaatcttgc	tctatcaccc	agctggagtg	cagtggcacc	attgcagctt	240
actgcagcct	caaactcctg	gctcaaggga	tccttcagct	tcagcctcct	ggttaactag	300

<210> 253
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 253						
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gccactgcac	tctagcctgg	gcgacagagc	aagactccgt	ctcgaaagaa	agaaagagaa	120
aggaaattcc	ccagggaagt	acctcggcct	atttcataaa	caggtactga	aggaagcaga	180
ggcatgtgga	ggacttcccc	acctcgtgca	gctatttggg	ccgtggcatc	tgaaatttct	240
tatttcagag	tcaccccttt	gatgaccttg	gcagtgaact	gcagtcactc	gttttaggct	300

<210> 254
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 254						
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taaagattat	aaataaatgg	tgatgtttaa	gtaatagcac	cattggacga	agctagggaa	120
tcaacacttg	acagaaagat	acatatTTTT	tttatacaaa	ctacatatat	ttgagcaatc	180
aagtagtaga	catagagaat	tttcttttta	tggaagtact	ctaataagta	aagggtgat	240
agaattatat	cagcattttc	tagctcctgg	ggaattatgc	attgggcatc	catggctgct	300

<210> 255
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 255						
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aggggtgtca	ttctgggctc	gggggtggtg	ccaatttttc	accagaaagg	gagccacccc	120
ttgcaaccac	ttctgtctcc	gtagccccc	cctctgccct	cctccaagcc	aaagcgtggc	180
ctggcttttg	tcttcccatt	tagttttcct	cttttaccct	tccttttgtg	cttaatttat	240
taaaatagtt	gctgtataat	ttattttcat	aaactataaa	aaaataactaa	atgggttaaaa	300

<210> 256
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 256						
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atttgctgca	cagaatttgc	atcaaaactt	aatcagaaaa	tttcctaaag	gagatgtaat	120
cagtgtagag	aaaaccgtga	agagatgcct	tttggaact	ttcaagcata	ctgatgaaga	180

gttccttaaa caagcttcca gccagaagcc tgccctggaaa gatgggtcca ctgccacgtg	240
tggtctgggt gtagacaaca ttctttatat tgccaacctc ggagatagtc gggcaatctt	300

<210> 257
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 257	
atagaactag gcactgattt gtttatattt atcctgctcg agacacatga tgtttcatgt	60
atctgtgggt ttttatagtt taaaataatt tctggaaaag tcatagtcac tatctcttta	120
accgctccct ctcttccatt ctctttgttc tctcttcctc gaactcctgt tagtcatttg	180
atcctccata tctctgaata tttttgtatt tcttttatta tttatttctt gtctctgcta	240
cattttacat tgagtaaaag tgggatgtga cagtgggaaa tcattagtga cttagaaatt	300

<210> 258
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 258	
tactctatta tattgtgcat gtcctgatt tagctgctct tggcatcatt ggtcgcagtg	60
gaaccttgaa atgcatctgg ctagatttat gctcaaatac ttctcagtta gccttttagt	120
gcctcttcaa aggttttttt ttgtatgttt tctattctta ataaaagctt aggattaatt	180
agaaagaatc tgatatgggt atgtttcccc ttgtgtacgc tgacctcatt catacgtttt	240
tcatagtcca gtggtctaaa cgctttcaag agcccagctc cttgg	285

<210> 259
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 259	
gccttctctg gcctcaccaa ttaggtcaaa tgttccttag aatgtgttgt ggggcatggt	60
ctctccctgt gaggacctgt ccagctggac ctccgccttc ctgcgactgt attggtgtct	120
ttccctctca agcctatgag ctctgcaagg gcagggaccc tgtatgattt tgcctatcgt	180
atgtcctcca gccccagca cagcgcctgg tgtccagtga gagctcagca aatactttgt	240
gagttaagga caggcggctg ggtagatgga tcgtctgcct agacagggca gttattcgt	300

<210> 260
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 260	
gaaaagggag ccgcgcagcg cctacgggag tccggcggca gcagccggta ccggcaacca	60
cgggcagctc tcagggaatc tccgtcgtga ggccagaggc tccagtcctc gcgagtccag	120
atgcctgtcc agcctccaag caaagacaca gaagagatgg aagcagaggg tgattctgct	180
gctgagatga atggggagga ggaagagagt gaggaggagc ggagcggcag ccagacagag	240
tcagaagagg agagctccga gatggatgat gaggactatg agcgacgccg cagcgagtgt	300

<210> 261
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 261
 tttgctttca gtggttggct ttcactgaaa gaaagtgtaa aaaaagtcag aatttatagc 60
 tttcactatg tccaagacta ggactgggtt ataaagattt tcttttgtga aggaaaataa 120
 aagaaaattt gccactactg catttacttt actattgtaa acttaagatt cattccttag 180
 tctttggaat tttgatgtct caaaaccaga tgagtgggaag tgctgaattt gcaaaaataa 240
 gctaagaatg cttaactctg cactttaagt tctactctga ccaaattgaa gatgagcaga 300

<210> 262
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 262
 ttttttaaga gataaggtct tgctatgtta tctaggctgg cctaaacttc tgggctgaag 60
 tgatcctcct gtgtagctgg gactacaagc atgtgccacc aatgcctggc ttctcacact 120
 gttttgtaac atagatatgt gaagatgtgt attatagaat tgtttgtaat actgtagtgt 180
 tgtaggcaat gtgactgtct atagggaagt ggacagggtta tttgtggtaa atactcatgg 240
 aaaacggtca agcagttaaa agcaatcaat tatgggtcacc cagcaatgca gataaatctt 300

<210> 263
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 263
 agaacagggga gaagagagga agaggggagct gcaggtgcca gaagagaaca gggcggactc 60
 tcaggacgaa aagagtcaaa cttttttggg aaaatcagag gaagtaactg gaaagcaaga 120
 agatcatggt ataaaggaga aaggggtccc agtcagcggg caggaggcga aagagccaga 180
 gagttgggat ggggggcaggc tgggggcagt ggggaagagcg aggagcaggg aagaggagaa 240
 tgagcatcat gggccttcaa tgcccgtctt gatagccctt gaggactctc ctactgtga 300

<210> 264
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 264
 ttaaaggtag ttttagaagg aagtacaaat tggttttcat cttgcaaaca atcgtttttt 60
 acttcattat cttaatttgc tttgtcactc ataaaaagga aaccatacct gagttgtaga 120
 caatgaggaa acacttgagg cttctgtctg gtgttctttt gttattgttg ttattgttgt 180
 tactcagtaa cttgaatatt gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt 240
 taaaaatggt aatgtacaaa tgtgaataga cacttatcta tataatatgg gtaagttttg 300

<210> 265
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 265

caggaaagtc	ttcctagagg	taatttttaa	gctgattggt	ttagaattag	tagaagcttg	60
ccagatggaa	aagtccaggc	aaagtgtaac	atgaatggga	aaggccacag	tctagaaatg	120
gcagagtgtg	ttcctagttt	gtttgtttgt	ttgtttgtac	ctgccttggt	ccaggaagga	180
tttaatgtgg	tttatattcc	agtcctttta	tgctggaagg	gctgagatga	gactgaaaga	240
tgggcaggaa	gtatatcatc	acaagctttg	tgtttgatgt	taatgtgtat	gattttttata	300

<210> 266

<211> 300

<212> DNA

<213> Homo sapiens

<400> 266

tgtgccacca	caccagctc	attattatta	ttattattat	tattattttg	agacgaagtt	60
tcactcttat	ccccaggct	ggagtgcatt	gggtgcgatac	tggctcactg	caacctctgc	120
ctcctgggtt	caagcgggtc	tcttgccctg	gcaggcacct	gtagtgtcag	ctactcgaag	180
gctgaggtgg	gagaatcgct	tgaacctggg	gggcggagat	tgcaatgggt	tggtctcggc	240
tcactgcact	cgagcctggc	gacagagcaa	gactctgtct	caaaaaaaaa	aaaaaaaaaan	300

<210> 267

<211> 300

<212> DNA

<213> Homo sapiens

<400> 267

atataactct	ggaggtcagg	acataggaga	tattgattca	ggacttgcca	gagtatggtc	60
ttgggggtgtg	ccctgatatt	acaaacaggg	atcttagtgg	ctaggtgatg	aggccatggc	120
aaatgtagat	ggaccaagat	caatttgcct	ttctagatga	ggttttctag	gtgaaatggt	180
tttgaaacta	ttttgtagcc	tagtataatt	tataaaagta	gagagaaact	ataaatataa	240
atttggaagg	ggtttagctaa	aaggagaaaa	cagcagaatc	ttcatatata	tagaaatgga	300

<210> 268

<211> 300

<212> DNA

<213> Homo sapiens

<400> 268

cctacttatt	ggatgttgge	tctttgggtg	catggagatg	gctttactgt	aggtttgtgt	60
gtgttgcatt	acttttcatt	gggattgaac	tgagaaataa	caaacaagct	ttaagtggga	120
aattaaaaaa	aagaagtaac	ctatgtagat	ccaaacttaa	aatgtgagaa	attattgaaa	180
tttcattttc	tacaaacttg	aaattagcct	gctaattgta	aagttgtttt	aataatgctg	240
acaaatgtca	gttacgtttg	caaaggagtg	tatgggttcta	ggtatttgcc	tactgttacc	300

<210> 269

<211> 300

<212> DNA

<213> Homo sapiens

<400> 269

cctacttatt	ggatggttggc	tctttggtgt	catggagatg	gctttactgt	aggtttgttg	60
tgttgcatta	cttttcattg	ggattgaact	gagaaataac	aaacaagctt	taagtgggaa	120
attaaaaaaaa	agaagtaacc	tatgtagatc	caaacttaaa	atgtgagaaa	ttattgaaat	180
ttcatttttct	acaaacttga	aattagcctg	ctaattgtaa	agttgtttta	ataatgctga	240
caaatgtcag	ttacgtttgc	aaaggagtgt	atggttctag	gtatttgcct	actgttaacc	300

<210> 270
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 270						
cctacttatt	ggatggttggc	tctttggtgt	catggagatg	gctttactgt	aggtttgttg	60
tgttgcatta	cttttcattg	ggattgaact	gagaaataac	aaacaagctt	taagtgggaa	120
attaaaaaaaa	agaagtaacc	tatgtagatc	caaacttaaa	atgtgagaaa	ttattgaaat	180
ttcatttttct	acaaacttga	aattagcctg	ctaattgtaa	agttgtttta	ataatgctga	240
caaatgtcag	ttacgtttgc	aaaggagtgt	atggttctag	gtatttgcct	actgttaacc	300

<210> 271
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 271						
ccacatttaa	gtgagatatg	ggaaggagga	gcagattggt	tttgaaggga	ggaagagcag	60
ttacttaggg	tcaaattaag	ttgtaaaatc	ccccccggga	ttttgtatgt	aagtcaaagt	120
gaattgtatt	tggaagaaga	actggggagc	ccacctctgg	tatttttttt	atgtccctca	180
tatggacaaa	taaacctctg	gtattaaatg	aattttcttt	tgggggattc	tatatattcg	240
ggatttcaac	caccaaccta	tctggttttt	cccgtgaaa	tgttgggtga	tggaatcagg	300

<210> 272
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 272						
gaacgcttcc	attttatacc	tgtgtctagt	tagtttctgc	ctatctatcc	aagaagcttt	60
tatcaagggt	ccaccatgtg	ccagccactg	aagtagatat	aaatacaagg	atgtgtaagg	120
tatggatgat	ggtatacgaa	ctgtcatctt	actggatttg	tccgctctgt	taaagatacg	180
gttccgaaaa	cttttttaaag	ccctagagag	ggctttaagg	caatgtagca	tcatatatag	240
aggcatcaac	ctgttcatat	ctttctatct	aacagaactg	tgcacctggg	cacaagggtg	300

<210> 273
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 273						
gaatggcgtg	aacccgggag	gcagatggtc	ttaaagtggg	gagacccggg	ttacaggcct	60
gactgcatca	ctaactcgct	gtgtgtccct	gggcaagtca	gtgcagtgca	gtagcctctc	120
cgtctccgac	tgaggagcaa	agccctcggc	tcaagatcct	cacctacttc	acagggattt	180

gaaatagtgc agtcaacagg aaaagaaaag cgctatagaa atgctcgacg ctatcacttg	240
gggcccacgt ggaagtatca acgtataaat tggcccaggc agacagaagg atgcagggga	300

<210> 274
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 274	
ggaaccaggg gctgcagaac cagccccctcc ccaatgagga cccctctctgg acgccccctcc	60
ccatggagaa caccaggagc cacagacccc agaccacagg agcacacagg ggagggcacg	120
gggcggccgg ggcagggtgt ctgctgcctc gtttatggga tttgctccgc gtctagcaca	180
ctgctgcctg cagtgtcctt gtccccctgca gtgggtactc tgggcctacg ggcctaattc	240
tggttggcat gaaaatgtcc tgaggctact gtgacaaatt tccacaagct gagtggctta	300

<210> 275
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 275	
ctttgggaag cagaggtggc aggatcattc cagcccagga gttcaagacc agcctgggca	60
acacagtgag tgagacctg tctctattta agaaaaaata attaagaaat tttattaaaa	120
aagaagaatc aggaacacaa gtccaaccca actaaacctc aatgaacca gccctaaca	180
cagatgaggg gatttgggac tgataagctc tgtgctgtgt ccatggcccg tcatttatca	240
aggctgcagc tttgtaaatg tggctatatt tatgttgtgt atagtttcta tcatttatatt	300

<210> 276
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 276	
tttgtatttt tagtagagac agggtttctt catgttggtc aggctgggtct caaactccta	60
acctcgtgat ccgctgcct cgacctccca aagtgtctggg attacaggca tgagccacca	120
tgcccagcca aagatcattt ttttatatag acttcagccc tttgtaaata ttgtaactgg	180
ggagtataga gtagaaaaaa agtatagtta aaacatttgt tctacaaatt aaccttttaa	240
aatataatta ctgctaataaa tagagtgtgt ttacacttaa ggaaaattag tgccattttg	300

<210> 277
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 277	
ctcacacagc atgtgtcaga tccatggggg aggagtcggc cagagacttg gtaacagaca	60
gattgctgga tcccacccct agactctctg attcagttag tttggggtaa ggcgcaagac	120
tgaatttttc acaagtttcc cagtgggtgt gatacttctg gtccaggaaac ttagtgggag	180
agaacgacta atctagacca tttcacttca cattctgagc ttcttgtaca ctgtcacact	240
gcaccccttt aacaatgcat tccctatcct attgcaatac tgacatctca tcaatatttt	300

<210> 278
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 278
 ctgacaactt gattgggttc tccttcaggt ttgaagcgcc ctcgagaagt gtctaaagga 60
 gacagttgat agccaaacaa cagtttttga ttcactgact gattatgaaa gaagcagtag 120
 actggtatca agaatcagtc agcaaggagg ccctcaccag acgccagtgc catgttcttg 180
 gacttctcag cctccatatt catgaactaa gtttttggaa tccttaggct tccacgtgtg 240
 gaaagcctga gctaacctac tggaggatga gccatcacct ggagcagatt caggccatcc 300

<210> 279
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 279
 ggtaaacctt tttatataat agaaggatga ttataaacat ttaataaatt atatcaaata 60
 gatattatat attaaatggg cagataatag aaatctgtcc aagcaaaact ctggataatt 120
 tttatgttgc cttatttttt gttttctgtg aactccaaga aaaatgagat accagtttgg 180
 aacagatgta atattgctga tttaacagtt tagggatact cccaagtcc aataattttg 240
 ccaagataca aatttaaagt gaacctttta tgaagcttca tagtgtgtga agaacttacc 300

<210> 280
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 280
 ataactgctt gcgaagatgt agtttctctt tggaaagcta cacacacgag attatacaca 60
 tcaggcactg gaactatctg taatactgga acctctgcga agtgccagggt ataaagtttt 120
 tcccactgcc aagcatccag agctttggga aatttgga aaatataaaa 180
 ttttgttcct ctgatgatga aagtgaagaa caagtactac tgaagtctgg aaatataaaa 240
 gctgtgcttg gcctgacaaa gaggaggcta gttagtagca gtgggaccct ttctgatcaa 300

<210> 281
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 281
 caccatcgaa tatttttatt tatttttgaga gacagactct gtcacccagg ctagtcttaa 60
 actggttggtg aatcttaagt gattctccca cctcagcctc ccaaagtgtc gggattacag 120
 gcatgagcca ctacccttgg ctgtgatcaa gtatttagtc tgttgtttaa tgtttactaa 180
 atagtctgaa gtagagaaaa tagcaccaca tctaaaataa ggtgaggtct agtcacttat 240
 ttaaattctac attttaagct atagtttact attagtttaa actttaagac aggtaattgt 300

<210> 282
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 282

gcaaccttcg	cctcctgggt	tcaagtgatt	ctcctccctc	agcatcccaa	gtagctggga	60
ctacaggcac	gtgccaccac	acccagctaa	tttttgcatt	tttagtagag	gcagggtttc	120
atcatgttgg	ccaggctggt	ctcaaactcc	tgatctcaag	taatctgccc	actttggcct	180
cccaaagtgc	tggcattaca	ggaatggagc	caccgcgccc	agcctgattt	cttttttttag	240
gtcttgtcag	gaaagatatt	gattcttttg	attcgtgaac	atgggtttttg	gtcgtcttta	300

<210> 283

<211> 300

<212> DNA

<213> Homo sapiens

<400> 283

cccaggtagc	tgagactacc	cacaccttgg	tcccagctac	ttgggaggct	gagggtggga	60
aatcactttg	cccaggaatt	caaggccgca	gtgagctatg	attgcaccac	tgcactccag	120
gcaacagagt	gagaccctgt	cttaaaaaaa	gaaggagaaa	agtgtcagat	ggtgatgagg	180
tctggggggg	aaatagagaa	tggggatcag	gagtgtggat	ggtgggtattc	cctcaccaag	240
aggtgacatg	tgagcaggga	gctgggagggt	gagggtgtga	cccgtgtgga	aatcagggaa	300

<210> 284

<211> 300

<212> DNA

<213> Homo sapiens

<400> 284

ggtgtcctcc	ccagtgcgcc	gcgatttttg	tgtccaagcc	ccagagtccc	tctgagacca	60
acccccagcc	agcacagact	tcctgccttc	ccagctcgga	agcgccctcg	agaagtgtct	120
aaaggagaca	gttgatagcc	aaacaacagt	tttggattca	ctgactgatt	atgaaagaag	180
cagtagactg	gtatcaagaa	tcagtcaggt	ttttggaatc	cttaggcttc	cacgtgtgga	240
aagcctgagc	taacctactg	gaggatgagc	catcacctgg	agcagattca	ggccatccta	300

<210> 285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 285

aattccgttg	ctgtcggggc	gccatgtcat	tctggagaga	gacagagtaa	aacaaagaag	60
gtgatgggta	aagcgcagtc	gcctgctata	tattgtctat	ttttggtttt	tcacttacct	120
tttatattta	tgtcttttat	gtacaacagg	attataagta	gcttgagtcc	agtgaatata	180
ccatttcatt	ttgctatcct	tcactgcact	tagcttagag	gaaataatca	cagcttatta	240
ttgattaatt	aattaattaa	tagatgaatg	gtgaacacat	gactatcatc	ccaagaaatg	300

<210> 286

<211> 300

<212> DNA

<213> Homo sapiens

<400> 286

agccaatgag gcttttgcct gccagcagtg gacccaagcc attcagcttt acagcaaggc	60
tgtgcagagg gccctcaca atgccatgct ttatggaaac cgagcagcag cctacatgaa	120
gcgcaagtgg gatggtgacc actatgatgc cctgaggagc tgcctcaagg ccatctccct	180
aaacccatgc cacctgaagg cacactttcg cctggcccgc tgcctctttg agctcaagta	240
tgtggctgaa gccctggagt gcctggacga cttcaaaggg aaatttccgg agcaggccca	300

<210> 287
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 287	
gggtgacaga gtgaaactcg tatctccaaa caaacaacaa aaaagtcctt aaacatatgt	60
gaacaaaaat tttgtgatgg aaggattcta gttaatgagt attgcatcaa gatttacatc	120
tttcttacta aggaaaagag ttaataaaaa ttgttcttta ttttacaggc agttactgag	180
gctcttccca gatctcagta aacagccact cagccttgaa aatggagtgt tgttgtttct	240
aaacatatat ttatgtcatt tattaagtac agttcactta aataacataa gtagattttc	300

<210> 288
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 288	
accactaaca gcatctactt gactactgat actttgatca tggagttagg gcatgccact	60
tgatagaaat ttgaagagca attatatattt tcaaaaagag ttttgaataa tgtaagata	120
gattgcaaca tgactatcaa ttcttccctt cccatcaaag gagagagtcg gtttatccag	180
cctttgaatc ttgattatc aagtgacttg cttcacccaa tgtaacatta ataagcacia	240
tacaagcaga ggcttgccaa gaacttggtt tgtttctaat gcttagaaga agaatggtgt	300

<210> 289
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 289	
tgtccttata tgaaattcag cgatcttcat gaataagcat ttctctgatt gtggnatatg	60
cctttaattt tatttctaga gtgacaaatt tttggttttg acagtttttt tctagcttta	120
tagtttcttc ttggggagag aatatgtcaa cctcactcca tcatgctgaa gttaaatttc	180
atctcttaat tttatctctc aaaaatatcc taaggattcc ctctggagcc tgataagtaa	240
ttgcagtatc tggtttctat gggttgatga ttcaggattc caggaataat agttactttt	300

<210> 290
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 290	
ggaaccatga gaaccgaagc tagaattgct attgaattac tttattttct cttcccttat	60
tgggtagaga tacatcatta ctggcctcag gggtttacc aaagaaaggg tatttttgag	120
caaataatgt gatttctctg ctattttgtt gggggcttaa gatttttttt tttcaaagtc	180

atTTTTtagtc actaaaaatt aactgtcgta ccatctagaa ctatactgtc cagtaccata	240
gcctctagcc gtatgtagct atTTgtatta agattaatgg aaatttttaa tccagttcct	300

<210> 291
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 291	
tatgatttta tttttggcct aatataggaa tgtttaaaaa aggcTTTTct atgaaaatta	60
gaaatttata cttgaaatta aaagtctaca agggggagga ccttaaagct aagctaccag	120
taagacaatg aataattcag aagagaacac tattctttta ctgactgagt gccaagatg	180
ccaatttcca tgaagtcttg atttatatat atgtacacat gttatgcaca tacatgtttg	240
ttttctaaca gttattcttt aagcttttga gataatttta gacttacaga agagttggaa	300

<210> 292
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 292	
cccagaccta tggagtcaga cagtaggttt gaggcccagc aatctatggt ttaacaagcc	60
atccaggtgt ttctgatgca cagtgaatt ggggtaccac tgggtattagg ttggtatgg	120
caactttttc atcacttggt ttatgtagtt gtctgatcaa ttgtgaaaac ataatgaatg	180
ttggaaatgg aacagtaaaa taacgaaagc caactttttt ttttttttn nnnnnnnnn	240
nntgnttttn ccccaggnt gnanngcagg gncccaat	278

<210> 293
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 293	
ggaaggcagt gggaggagag gaccaagtct caaactccag aagccccacc tccctgagct	60
cagctcctct gccaagcccc ctccgcgcga agtcctcgtc cagagaaggc aacggcgaga	120
aacaaatcca acatcctggg ctgctttttc ctccccccac tttttaaaag ttggtgtcc	180
aagtcacttg acaaaccag accctaacia tgatattttg tgtagaattc tgggatcaaa	240
atataatttc aaaaataata tattttctga catcccccaa aaaaaaaaaa aaaaaaa	297

<210> 294
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 294	
ggaacagttt gagcaaaggc tctcaagtaa tagggtgtct gacttgttca tttttgaaag	60
tagaactaat aggatttctt attggaacgt aggggtgtaag agaaaagagg agtcaaaaag	120
agccacaaga tttttggtct cagcaattag aaggatagaa ttgacattta ctgagatttt	180
tgtttttggt tttgagacgg agtttcgcta ttgttgccca agctggcgtg caatggcgtg	240
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<210> 295
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 295
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 actgtcacag aatggctggg ctgagaacgc tgcccagggc cctgcagctg gcgggagnnn 120
 nnnnnnnnnn nnnnngtgcn tgctgcaaca tntgggtana tngtatecct ccctanagnt 180
 gctacnncct nnatccccct gtnaatatgt tgagntnnct tngcnttcnn gntnntccng 240
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<210> 296
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 296
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 ctactcaatc tgacttagta aaaccatgct gaaaaatttt ggtctaaaaa ggacccatac 120
 ccagcaccca tgaaataaaa gattcatctg taattgggat tcaaagggat taaattcctt 180
 tggtcatact cataaatagc actaaagtgt tataacattt tcatttacct attttttagtt 240
 ccttcatttt aacttaataa aaatcttgga ttgatattct tttttttttt ttttgggacg 300

<210> 297
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 297
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 tgtttcctac tatgggaaac catcccaccc caaacttgat gaccgcatta tgtgctttta 120
 tagaacatgg cacttctcca ggatagcatt tattctgttt tgtaagtgtg aatgtaatta 180
 ccctacacac agcatacaca taatcttcat attctttgcc ttgtcttggt aaggcaaggg 240
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<210> 298
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 298
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 ggtccagtct ccagcctgca ggcgtgcaca ctgggggtgga cgatgggtgg ccccgaggt 120
 gtacacattt ggggtggccc ggcctctata cccagtggtt ctctttgatc cagtcccgaa 180
 acagagggag ccttgtgtac acgcctccaa agtggagctg ggaggtagaa ggggaggaca 240
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<210> 299
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 299

ctccattgtg	aagatccagg	catttttccg	agccaggaaa	gccaagatg	actacaggat	60
attagtgc	gcacccacc	ctcctctcag	tgtggtacgc	agatttgccc	atctcttgaa	120
tcaaagccag	caagacttct	ctgctgctgt	gatctgcaca	ccctccaacc	tgggcaggga	180
ctggggggat	gcagtgtgtg	ttagtgccca	tgtggcattg	tggcactgtt	gccccccatg	240
gcggcatggg	caagatgacc	ttccattagc	ttcaagtctt	gttctcttgt	ctgtggtctg	300

<210> 300

<211> 300

<212> DNA

<213> Homo sapiens

<400> 300

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gtgcacaaaa	gttcacggca	gcatecttcg	ccatagtggc	agcatccgtc	gtcacagcgg	120
catcatcctt	catcatagcg	gcagcatccg	tcgtcacagc	ggcagcatcc	ttcgccacag	180
cggcagcatc	tgctgtcaca	gcggcagcat	ccttcgccaa	agcggcagca	tccttcgtca	240
tagcggcagc	atcctttgcc	atagcggcaa	ggtggaaacc	ctgtccatcc	actgaggcgt	300

<210> 301

<211> 300

<212> DNA

<213> Homo sapiens

<400> 301

tcacagatat	gaaagttcag	tcagaggggc	tgggccgaca	tctgtgcttt	tccttgcagg	60
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ttacttccgt	gggcacctgg	tgttattggg	tggactagtc	aggattctcc	agagcagcag	180
aagcaatggg	atgtgtgtgc	atgtgtttgt	gcagagacag	aaagagagat	tttaagggaac	240
tggcttatgc	agttgtgggg	gctagcaagt	ctgaaatttg	cagggcgggc	cagcaagctg	300

<210> 302

<211> 300

<212> DNA

<213> Homo sapiens

<400> 302

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ttcaacttga	actgtatcta	tctcccagaa	ttcccacatg	ttgtgggagg	gacccagggg	120
gaggtaactg	aatcatgggg	gctgggtctt	cccggtctat	tctcgtgatg	gtgaagtctc	180
acgagatctg	atgggtttat	caggggtttc	cacttttgtt	tcttcatttt	ctcttgccac	240
cagcatgtaa	gaagtgcctt	tggtctccta	ccatgattct	gaggcctccc	tagccatggg	300

<210> 303

<211> 300

<212> DNA

<213> Homo sapiens

<400> 303

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tagagtgttt	gaggaacagc	aaggaagcaa	gcccttgttg	aaacagattg	agcaaggtag	180
aaagtggtaa	aagatgaagt	taaagaggta	gctgagagcc	agatcatgta	aagccttggt	240
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<210> 304
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 304						
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aggctcggct	ggcaagagga	gaaaagggaag	aggaggagga	agaggaggaa	gagatcaaca	120
tctatgcagt	caccgaggag	gagtcggacg	aggaaggcag	ccaggagaaa	ggaggggacg	180
acagccagca	gaagttcatt	gctcacgtcc	ctgttccttc	gcagcaagag	attgaggagg	240
cactggtgcg	aaggaagaaa	atggaactcc	tccagaagta	tgcaagcgag	accctgcagg	300

<210> 305
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 305						
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cacatgcaga	cacacacatg	cagacaacac	gcagacacac	acatgcaggc	actcacatgc	120
aggcccatgc	acacacacgt	gcacacacat	gcagagacat	gcagacacgc	aggcacacat	180
gcacacatgc	aaagacacgc	atgcaggcac	acgcagacgc	acacagagac	acacatgcag	240
atacacatgc	acacacacat	acacacactg	gcccctgttt	ttctgtggtg	tcactgggtg	300

<210> 306
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 306						
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ggagtactac	tacacgtgga	aaaagatcat	gctgctgggg	cggaaacacc	ggacacgcct	120
ggcagaaatc	atcgacgatt	gtgtgacaag	tgaagaagaa	gaagagttag	aggaggagga	180
ggaggaggac	ccggaagaag	ataggaaatc	cacaaaagaa	gaagggagtg	aggtgccgaa	240
gtccccggag	ccaccacccg	tccccgtcct	ggctcccacg	gaggggccgc	ccctgcaggc	300

<210> 307
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 307						
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gagccctgga	ggagcaggag	gaggagccag	tggcgacggg	ggattctacg	atccgaaagc	120
tcaggtgttg	ggaaatgggg	accccgtctt	ctggacacca	gtagtccctg	gtcccatgga	180

accagatggc	aaggatgagg	aggaggagga	ggaggannnn	nnnnnnnnna	ntggccttnt	240
gtggcctcca	ccagcagctn	tnnannatga	catggagtcc	caactgnacg	netccctcat	300

<210> 308
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 308						
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ttaacctctc	tgtgcctcaa	atttctccct	ctgggggatg	ttaggagtat	acaaattaac	120
acatgtaaag	tgcttagaat	agattggtac	tggttaaata	gagctaacgt	cacatttgat	180
atttttttaa	aaagaaaaaa	tcattatgga	gtctcagtc	tagagattct	gattcattaa	240
ttctgcttct	cggcaaggag	cgatttgctg	gtgtagacat	tccgggtccg	tgtaaagggt	300

<210> 309
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 309						
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ctgcagcctt	gacctccagg	acaagtgatc	tcccacctca	gcctccggaa	tagctgggac	120
tacagctcaa	caacgcccct	ctgaaagtag	gactcttgga	aatgaacctt	gttgggagta	180
aagctgaacc	ttcacctctc	ctttccagga	ttctactcca	ttcatacggc	ctcacactga	240
attaatgggt	ctagcagcca	catcactttg	ttaccecaatt	gatctagtag	taaagtcttc	300

<210> 310
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 310						
aggaaacacc	cccttataaa	accatcatat	caggctgggt	gatctgacag	agctagacac	60
tgtcaaacaa	acaaacaaac	aaacaaaaaa	accccatcac	atctcatgag	acttatttac	120
tatcatgaga	gcagctcagg	aaacacccac	tcccgtgatt	cagttacatc	ccactgggtc	180
tgtcccacaa	atttgtgggag	ctacaattca	agatgagggt	tgggtgggga	cacagccaaa	240
ccctatcacc	atgtaaaata	atatctaatt	tgtagagatt	aaagaacaag	ataacttaaa	300

<210> 311
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 311						
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attaaagggt	atgtttgggt	cacacactgg	tttccatgta	attgatgttg	attcaggaaa	120
ctcttatgat	atctacatac	catctcatat	tcaggggcaat	atcactcctc	atgctattgt	180
catcttgctt	aaaacagatg	gaatggaaat	gcntgtttgc	tatgaggatg	anggggtgna	240
tgtaaacacc	tatggccgga	taacnaagga	tgtgggtgctc	caatggggag	aaatgcccac	300

<210> 312
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 312
 cctccctgga tgtgcagaca tggaggagga cagaaggccc agctcagtgg cccccgctcc 60
 ccacccccca cgcccgaaca gcagggggcag aggcagnnnn nnnnnntaag ngtgttnaan 120
 tntnnatttn ttctnttttt ttttnnnntn aaatatnntg nnnnttttttn ntantantta 180
 ttatnntntn nttattannn tntttttcnt ntnttacttt gttnttgatt ttanncnttt 240
 natntttttt ttgttcttct nttntattnn atctt 275

<210> 313
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 313
 tcctgtcttc ttgccc aaat gttgcatttt ccaagaccac tctggcctgc catgccaccc 60
 attctgtgcc tataaaaacc ctgagacccc agcgggcaca cacacaagcg gctggacgtc 120
 aagaggaaca cactggcaga agaacacatc gaaagacgct ggcaggccat tgatggtgga 180
 acgattcgga cgccaaggga aattcggcca aggacagtag gagatcccgg ctgctgagca 240
 gccagactcc agaggaagac taccttccca tgctatcccc cttctggctc cccagccatc 300

<210> 314
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 314
 ataagggtgg ggccttaatt cagtagaatt ggtggcctcc taagcagagg aagagagatt 60
 tttctttctc tctctgccat gtgaagacag tgaggagtcg gccgtctgca agccaagaag 120
 agcccttatt aggaacagac ttggctagca ccttcacgtg ggacctccag cctccagaat 180
 tgcaagaaaa tacatttccg tcgttgaaac caccacgtct gtggtatttt gttatggcag 240
 cccaggcaga ctaatacgtg aagcctgctc taaatagata aaataagaaa ttactacaga 300

<210> 315
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 315
 gtctcagtgt ggcctgtggg gctggtgggc ggcctgcgat tcgagggccc tcagggtacag 60
 gacggccggg tagtgggctt ccacacagca tgggagccca gcaggccctt cctgttgat 120
 atggctggat ttgccgtggc cctggccttg ctgttagata agcccaatgc ccaatttgat 180
 tccaccgctc cccggggcca cctggagagc agtcttctga gccaccttgt ggatcccaag 240
 gacctggagc cacgggctgc caactgcact cgggtactgg tgtggcatac tcggacagag 300

<210> 316
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 316

gaaatgcctc	tatgtaggtg	aagtgttctc	tctgcatgca	acaggaaaaa	ttaatataat	60
atcccccca	caaaagaaac	acttaacaga	ggcaagtgca	atctataaat	ttatatctaa	120
aggggaatca	tgattataag	tccttcagcc	cttggaactct	aaattgaggg	gattaaaaag	180
aatttaaaat	aattttgaac	gaatttat	ttccctcagt	ttttgagggc	attaaaaagg	240
cattaaatca	agacaaatca	tgtgcttgag	aaaaataaaa	ttaatgaaaa	cacagcactt	300

<210> 317

<211> 295

<212> DNA

<213> Homo sapiens

<400> 317

acactgtccc	actccatcac	ccaggctgga	gtccagtggg	gtgatcatag	ctcgctgcat	60
cctccagttc	ctgggttcaa	gccatccctc	ctgcctcagc	ctccccagta	gctggaacta	120
caggtgtgtg	ccatcacacc	tggttttaca	tttttctgtg	gggacttact	atgttgccca	180
ggccggcctc	aaactcctga	gctcaagtga	tcctctgcct	cagcctccag	agtatctggg	240
attacatatg	tcggctaccg	tgtctggccg	ttcacatctt	tgccactat	ttgct	295

<210> 318

<211> 261

<212> DNA

<213> Homo sapiens

<400> 318

cctgaatata	aagaggagga	ggaagaccaa	gacatacagg	gagaaatcag	tcattcctgat	60
ggaaagggtg	aaaagggtta	taagaatggg	tgccgtgtta	tactgtttcc	caatggaact	120
cgaaaggaag	tgagtgcaga	tggaagacc	atcactgtca	ctttctttta	tggtgacgtg	180
aagcaggtca	tgccgaccca	agaannnnnn	nnnnnnnnnn	nnntngcenn	aacnnttcac	240
caaattcccc	gggggggctt	g				261

<210> 319

<211> 300

<212> DNA

<213> Homo sapiens

<400> 319

gggacctctg	cccaagaaag	cctgggtatt	gaccaagggt	ttccccccac	tgagacagcc	60
tgagatatgg	cctcatggga	agggaagac	ctgactgtcc	cccagcccga	cacctgtaaa	120
gggtcggtgc	tgaggaggaa	tagtgaagga	gggaggcctc	tttgagtttg	agataagagg	180
aaggcttctg	tctcctgctt	gtccctggta	atggaatgtc	tcggtgtaaa	gctgaccatt	240
cccattcgtt	ctattctgag	ataggagaaa	accgccctgt	ggctggaggt	gagatatgct	300

<210> 320

<211> 289

<212> DNA

<213> Homo sapiens

<400> 320

caccttgctt	ggccaagggg	ctagacctcc	caggctaagc	ctcagattca	gtgcaggaca	60
caagctcatg	ccccgtctt	gccagtgaca	cttgaagcct	cccgaattcc	acagagtgtt	120
tcaggacaca	ttttgagtgg	tattttcttt	tctttttttc	ttcttttttt	ttttnnnnnn	180
nnnnntngt	tntgtnnccc	aggetgnann	gcaggggcct	gatntnggnt	aantgnaacc	240
ttngcctccn	aggttaaagc	nattttttng	cctaancctc	naaagtacc		289

<210> 321

<211> 300

<212> DNA

<213> Homo sapiens

<400> 321

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aagagaacgc	accagagaga	gagagaggga	gcgtgatcac	agtcctacac	caagtgtttt	120
caacagcgat	gaagaacgat	acagatacag	ggaatatgca	gaaagagggt	atgagcgtca	180
cagagcaagt	cgagaaaaag	aagaacgaca	tagagaaaga	cgacacaggg	agaaagagga	240
aaccagacat	aagtcttctc	gaagtaatag	tagacgtcgc	catgaaagtg	aagaaggaga	300

<210> 322

<211> 300

<212> DNA

<213> Homo sapiens

<400> 322

cgccctttaa	ctgcagttct	gctctatttt	cttttctctc	tctggagctg	agagtcagag	60
ggcccttctc	ctcctccttt	cagcccccaa	cactaagctg	atggattgat	aaatacctca	120
gcccctcgcc	ttcctcaacc	cacctggcaa	gtcttcttag	gatctgatcc	cagttttctg	180
gaagcaatcc	tacccagacc	caagcttccc	aagagtcgag	ccttaatcct	tctcacttct	240
cagtgtcaga	gcagaaatga	atcctggggg	tgactgtgtc	cattcggggt	attagcagct	300

<210> 323

<211> 300

<212> DNA

<213> Homo sapiens

<400> 323

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gagacaagat	ggtgaaggaa	ctgagcctga	tgaagagtca	ggaaatggag	cacctgttcc	120
tgtacctcca	aagagaacag	ttaaaagaaa	tatacccaag	ctggatgctc	agagattaat	180
ttcagagaga	ggacttccag	ccttaaggca	tgtatttgat	aaggcaaaat	tcaaaggtaa	240
aggtcatgag	gctgaagact	tgaagatgct	aatcagacac	atggagcact	gggcacatag	300

<210> 324

<211> 300

<212> DNA

<213> Homo sapiens

<400> 324

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tggtttgcag	ttgaactact	tcttgctgtg	tcttcacaag	catgccccca	tcctgtgccg	120
ataagaactc	cagaccccaa	actcagctca	tacacacacg	gaagagagaa	gcattctgaac	180

atcaagaaga gaagaagctg ctggacatca gaaactgtga aaggagagga gtttggctga	240
gctccagggg aagactgcct gcacattcta tccccctttc agttcccat cctgctgtca	300

<210> 325
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 325	
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aacaagtttg ccttctccta tgttttccag aaatgacttc agtatctgga gcatcctcag	120
aaaatgtatt ggaatggaac tatccaagat cacgatgcca gttatatatta atgagcctct	180
gagcttccta cagcgcctaa ctgaatacat ggagcatact tacctcgtcc acaaggccag	240
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<210> 326
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 326	
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tcattgactta gtgggtcaag agtttggaag tggctcagct gggcggttct tctgctccat	120
gtggctgcca gatggtaccc tgctgggtggg cagtctggtc tagagggtcc atgatggctt	180
tactcacatg cctggcatct tgacagggac agctggaagg caagggttcag ctgggactgt	240
ccacagagct cctccctgtg gcctttccag catggtggtc tcagggtagc tggacttcct	300

<210> 327
 <211> 300
 <212> DNA
 <213> Homo sapiens

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tgggttttct tcctgcctca tgtagcccag acttgagct gaagaagctg gaaacatgga	120
aacaccaaca gctacagacc aaaaaaagtc ccaacaaagg cctgtcagtc tgccagcctg	180
ttctgtggat ttccaactca agattgcagc atcaactcac acctgaagtt ctggcttccc	240
tacaaacttt gaacttgcca gtccccacaa tggcataagc caattcctta aaatgaatgt	300

<210> 328
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 <213> Homo sapiens

<400> 328	
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gcattggagt gtgtgatggg gcctgagtag atctgctggc agagtagttt gagccagctg	180
gactgggctg gccgcctgcc gcttcttgag ggtggaagag ggggtgctctg agaagacact	240
caggcagcag actctgcctc tcacttaagg tgcccccccg acccgcctcc accatagtca	300

<210> 329
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 <213> Homo sapiens

<400> 329
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 ggtattttta aaatttcaat ttctaattgt tcattataga aacacaattg ggttttatat 120
 attggcattg tattttgcaa ctttcctaaa ctactagta attctagtag ctttttttgg 180
 tagattctta aggattttct gtgtaaatag tcatgtcatt tgtgaataaa gccatttttt 240
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<210> 330
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 330
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 cagaccccaa actcagctca tacacacacg gaagagagaa gcactgaac atcaagaaga 180
 gaagaagctg ctggacatca gaaactgtga aaggagagga gtttggctga gctccagggg 240
 aagactgcct gcacattcta tccccttttc agttcccat cctgctgtca gccacattta 300

<210> 331
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 331
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 aactgagat gtttgggtaa agagaaacat aaatctagcc tacgtgcaca tctgggcaca 120
 gtacctttcc ttgaacttat tcgtgataca gattcctttg ctacatggt tccctgctga 180
 ccttcttccc acctgttgcc ctgctacact cccctcgcta agacagtaaa aataatgatc 240
 aataaatact gagggaaactc agaggccagc gccggtgcgg gtccccccca tgctgagcgc 300

<210> 332
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 332
 ggaaaaacaa caggtttgag tcctataaag ccataattta actccagtag ctgatgtcag 60
 acaagcttgt cctatgtcct atttgagtgg cagcagcgcc agcccagcaa gaaggctggg 120
 ggttgtcaag gttgtcccca gaccttgctt gcagtgggtg gagaaccag ggggctgcct 180
 tgggccctct ggccagaggg aagcgggcag ctctagccct ggagattgtg gtcacattgg 240
 ggcttgttta ggattggagg gccaggtcac ctccccagcc accctccctt ctctcctctg 300

<210> 333
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 333

cctcctactc	ccaaacaaat	ctttggggaa	aaaaaaacta	ccaactgtca	gccatggggc	60
tgacggcgct	aagctctggg	gctccgtgca	ctgacgtggg	gccagccaca	gggaggcggg	120
gatcaagtag	cggaggccag	gatttttgcc	acctcccggg	caagttgcag	ggcagtggcg	180
ccgggagcaa	aagcagcatg	atgcagctca	tgcacctgga	gtccttttat	gaaaaaacct	240
cctcctgggc	ttatcaagga	agatgacact	aagccagaag	actgcatacc	agatgtacca	300

<210> 334

<211> 262

<212> DNA

<213> Homo sapiens

<400> 334

gccatgcca	tttgtttact	cattgtctat	ggttgctttc	atgccctcac	agcaaaggcg	60
agtagttgtg	atggatcaaa	tggcccacaa	agcctgaaat	atttactctt	tgacccttta	120
cagaaaaaaaa	ccttgttgac	ccctgcttta	gagaatgaga	agccatgcag	ggatcagtga	180
tgccagagga	aggggaaggaa	ctgcttccag	ctattgtgac	aataataata	ataataatat	240
tgggtctttg	actagaacgt	gt				262

<210> 335

<211> 300

<212> DNA

<213> Homo sapiens

<400> 335

tctntctctn	ntattnttgn	gtagtncctc	ntttccttgt	ncnntnntcn	nctnttgnet	60
tttgcgacc	ctcgattcta	tctcatatga	gtgagaacgc	ttaccagtgc	agcgaatgtg	120
ggaaagcctt	ccgagggcac	tccgactttt	ctaggcatca	gagtcaccac	agcagtgaga	180
ggccttatat	gtgtaatgaa	tgtggaaaag	ccttcagcca	gaactcgagc	cttaaaaagc	240
accaaagtc	tcacatgagt	gagaagccct	atgaatgcaa	tgaatgtggg	aaggctttta	300

<210> 336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 336

gaggacccac	tccccagga	ctcctttgaa	ggcgtggacg	aggacgagtg	ggactagcct	60
gcgcccccg	cacctccacc	tcacctgtgc	tgccacttcc	tagtgcacac	ctcacggctc	120
atcctcaagc	tggaagatac	ctctctggcc	ccggcacatg	tcacctctgc	actcctgcct	180
tcccgtgggc	acttccacat	cctctggggc	tctggcagtt	cccagggact	gttttcacct	240
ctgctgtctc	tggggtcage	tgctgctcat	cagctgcccg	ctagcatgtg	gccaggggtg	300

<210> 337

<211> 300

<212> DNA

<213> Homo sapiens

<400> 337

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acatacactg	gggaaaagat	aatgtcttta	ataaatgggtg	ctgggaaaac	tgatatcca	120
tatgcagaag	aatgaaacta	gacccccatc	tcttagcata	tacaaaaatc	aaaattaatt	180
aaaaagttaa	atctaagacc	tcaaactatg	aaacagctaa	aagaaaacat	cggggaatct	240
ctccaggaca	ttggagtggg	caaagatttc	ttgtgtaata	cctgacaaac	aggcaaccaa	300

<210> 338
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 338						
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actcgcactc	tcattggttat	tgaggggcaag	aaggctgccc	aaagacacga	gactttaaca	120
agcttgaact	tagaaaagaa	agctcgtctg	aaagaggaag	cagctatgaa	ggccaaaaca	180
gagtagcaga	ggtagccgtg	ttggctggat	tttgaaaatc	caggaattat	gttataacgt	240
gcttgtatta	aaaaggatgt	ggtacgagga	tccatttcat	aaagtatgat	tt	292

<210> 339
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 339						
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aggggggggct	ggaccaacct	ggctttcccg	actgctccat	cgaggcagcc	atgggtgaagg	120
tggttcagctc	cgaggccgcc	tggcagtgtg	tgagtgaggc	gctgcagatc	ctcgggggct	180
tgggctacac	aagggaactat	ccgtacgagc	gcatactgcg	tgacaccgcc	atcctcctca	240
tcttcgaggg	aaccaatgag	attctccgga	tgtacatcgc	cctgacgggt	ctgcagcatg	300

<210> 340
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 340						
ctcagngcan	cgatcatggc	tcagtgcagc	ctcaaactct	tgggctcaan	canagcgggn	60
acctcaacct	cctgagtagc	taggactata	ggcacacagc	accatgcccc	ggctattttt	120
ttattttgta	gagatggggg	ctcactatgt	tgcccaggct	agtcttgaac	tcctggcctc	180
aagcaatcct	cccacctcgg	cctcccaaag	tgctgggatt	aaaggcgtga	gccaccgtac	240
ctggcccttg	gtggaatctt	taggggtttt	tattcataca	tataaaatca	tatcattggc	300

<210> 341
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 341						
atccaggtgt	ttctgatgca	cagtgaaatt	ggggtaccac	tggtattagg	ttgggtatgg	60
caactttttc	atcacttggt	ttatgtagtt	gtctgatcaa	ttgtgaaaac	ataatgaatg	120
ttggaaatgg	aacagtaaaa	taacgaaagc	caactttttt	tttttttttt	ttnnnnnnnn	180

nnnnnnnnnt tnnccccng ncnngnngc aggggccc	240
cnccnccggg ntnnnccct ttntcnngcc taaccnccc	296

<210> 342
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 342						
ggcagcatca	tggctcattg	cagcctctaa	ctccggggct	caagcaatcc	tcccacctca	60
gcctaccaag	tagctgtgac	cacagctgcc	cctcaccatg	ctaagctaat	ttttttaatt	120
agatagtaca	taaacgtccc	aaaattagaa	gataaaaaga	catgagggat	ccatttctaat	180
ttgtgtttgg	agtgtaatgg	tccagctcca	ttctttctgca	catggatatc	cagttttaca	240
caacactgtg	aatgtaatga	atgccactga	atcatacact	caaaaatagc	taaaatggca	300

<210> 343
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 343						
gttttcatca	ctacatatcc	tacacacact	gggaagctct	gacaacttat	tccctgctat	60
tatcaactaa	agatcacccct	ttctactgct	gtctctggag	caggagctgg	caaactatgg	120
cctgctgtct	gtttttgtac	agttttactg	aaacacagcc	atgcccatct	gtttactcat	180
tgtctatggg	tgctttcatg	ccctcacagc	aaaggcgagt	agttgtgatg	gatcaaattg	240
cccacaaagc	ctgaaatatt	tactctttga	ccctttacag	aaaaaacct	tgttgacccc	300

<210> 344
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 344						
ccccaacctg	cactctaccc	accccatca	cctactccag	ctcccaactt	ttgtggactg	60
agcgcccgca	gagactgggt	cgccttggat	tccctctgcc	tccgaggacc	ccaaaagaca	120
cccccaaccc	caggccagcc	ggccctgctc	tggcgcgtcc	aaaatactac	ctagcacagg	180
cctctgctcg	aggcaccccc	aaactaccta	tgtatccagc	cccagagggc	ctccattccc	240
aggaagtccc	tatgtatccc	aacactggca	gacaccagc	accaccctcc	cagaccgcga	300

<210> 345
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 345						
cccccatcac	ctactccagc	tcccaacttt	tgtggactga	gcgcccgag	agactgggtc	60
gccttggatt	ccctctgcct	cagaggaccc	caaaagacac	ccccaacccc	aggccagccg	120
gccctgctct	ggcgcgtcca	aaatactacc	tagcacaggc	ctctgctcga	ggcaccacca	180
aactacctat	gtatccagcc	ccagagggcc	tccattccca	ggaagtccct	atgtatccca	240
acactggcag	acaccagca	ccaccctccc	agaccgcgaa	gaaagtgaat	ctcactacta	300

<210> 346
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 346
 gtccacggtg ctgaacatca tcattcttga agactgtagg aaccagtggg ctatgtcccg 60
 accactactt ggcttgatat tgcttaatga aaagtatttt tctgacctaa gaaacagtat 120
 tgtgaacagc cagccaccgg agaagcagca ggccatgcac ctgtgttttg agaacctgat 180
 ggaaggcatc gagcgaaatc ttcttacgaa aaacagagac aggttcaccc agaacctgtc 240
 agcattccgt cgagaagtca acgactcaat gaagaattcc acttatggcg tgaatagcaa 300

<210> 347
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 347
 gctctgagcc caggcgaggc cagggacatg gccatggacc tgtgtcggca ggaccccag 60
 tgtgagttct acttcagcct ggacgcgcac gctgtcctca ccaacctgca gacctgcgt 120
 atcctcattg aggagaacag gaaggtgatc agaccccatg ctgtcccgcg acggcaagct 180
 gtggtccaac ttctggggcg ccttgagccc cgatgagtag tacgcccgtc ccgaggacta 240
 cgtggagctg gtgcagcgga agcgagtggg tgtgtggaat gtaccatata tctcccaggc 300

<210> 348
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 348
 gttctgtggc tggcatgggc tgctgtctac tggagagatc tcctgagaat tcaggtttgg 60
 attggtgctg tcattcttct gggaatgctt gagaaagctg tcttctatgc ggaatttcag 120
 aatatccgat acaaaggaga atctgtccag ggtgctttga tccttgcaga gctgctttca 180
 gcagtgaaac gctcactggc tcgaaccctg gtcattcatg tcagtctggg atatggcatc 240
 gtcaagccac gccttggagt cactcttcat aagggtttag tagcaggagc cctctatctt 300

<210> 349
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 349
 gtcagctttt gatgaagcta tgtcatactg tcgatatcat ccttccaaag ggnattggtg 60
 gcacttcaaa gatcatgaag agcaagataa agtcagacct aaagccaaaa ggaaagaaga 120
 accaagctct atttttcaga gacaacgtgt ggatgcttta ctttttagacc tcagacaaaa 180
 atttccaccc aaatttgtgc agctaaagcc tggagaaaag cctgttccag tggatcaaac 240
 aaagaaagag gcagaacctt taccagaaac tgtaaaacct gaggagaagg agaccacaaa 300

<210> 350
 <211> 270
 <212> DNA

<213> Homo sapiens

<400> 350

ccatgctgnt	aacgggtttc	aaggggactc	ttgaggaant	gccccctaaa	atagaacaca	60
gcaatanggn	gggcttcctg	tccccaggnc	cacccacacag	tgctntntgg	cactggnaac	120
tctgctangg	agngantgna	nnnnaccant	aannnnnnan	nnatcnacan	nnnnnnnncn	180
nnnnnncntn	tnnccnannn	ntannctncc	ntannnnanc	cnnccannan	cactcncnat	240
naacgnnnnn	ttantgagan	nttctcaact				270

<210> 351

<211> 300

<212> DNA

<213> Homo sapiens

<400> 351

aaatgactcc	ctgcaaaacc	caacccatgc	tgctggctgt	gggatttttg	gtgtaagcct	60
atctatgcac	tctatcagcc	agaatttggc	atttagctct	tagttaaatc	tagtaaagga	120
cagtctattg	tttaaagaga	aggtgcattt	gttcctcaat	caagcaagag	cacctgtgtt	180
gtactgcttt	atatctcatg	tatatattata	gtaatgaaaa	gactttttta	attgtacacg	240
tttcagtgcc	tttcttgtgt	tatgaaaggc	aggtagatat	tatagccata	ggtaaaaatc	300

<210> 352

<211> 300

<212> DNA

<213> Homo sapiens

<400> 352

aagaaatgcc	tctatgtagg	tgaagtgttc	tctctgcatg	caacagtaaa	aattaatata	60
atattttccc	cacaaaagaa	acacttaaca	gaggcaagtg	caatttataa	atttatatct	120
aaaggggaat	catgattata	agtccttcag	cccttggact	ctaaattgag	gggattaaaa	180
agaatttaaa	ataattttga	acgaatttat	tttcccctca	gtttttgagg	gcattaaaaa	240
ggcattaaat	caagacaaat	catgtgcttg	agaaaaataa	aattaatgaa	aacacagcac	300

<210> 353

<211> 300

<212> DNA

<213> Homo sapiens

<400> 353

cccacactcg	gacactgtgg	aattctacca	gcgcctgtcg	accgagacac	tcttcttcat	60
cttctactat	ctggagggca	ctaaggcaca	gtatctggca	gccaaggccc	taaagaagca	120
gtcatggcga	ttccacacca	agtacatgat	gtggttccag	aggcacgagg	agcccaagac	180
catcactgac	gagtttgagc	agggcaccta	catctacttt	gactacgaga	agtggggcca	240
gcggaagaag	gaaggcttca	cctttgagta	ccgctacctg	gaggaccggg	acctccagtg	300

<210> 354

<211> 299

<212> DNA

<213> Homo sapiens

<400> 354

gaaggaggac	ctaggcacac	acatatggtg	gccacaccca	ggagggtagt	ggggagttag	60
atttcagagt	ccaggcccta	ggttgggacc	cactccaaat	aatctcctcg	gtgtgggtgg	120
tggttctata	gagggataaa	tgaataataa	acattgttaa	aatatacgaa	aaaaaaaaaa	180
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaacnncn	ncnananaaa	aaaaaaaaaa	299

<210> 355
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 355						
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gtgacttttt	cctatgatgg	taatgtcctt	gcctctcgtg	gaggtgacga	ttcattaata	120
ttatgggaca	tccgacaatt	taataaacca	cttttttctc	cctcgggtct	tcccaccatg	180
ttcccaatga	ctgactgctg	tttcagtcca	gatgataagc	tcatagtcac	tggtacatct	240
attcaaagag	gatgtggcag	cggcaaactt	gttttctttg	agcgtaggac	tttccaaagg	300

<210> 356
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 356						
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agcaagacaa	gatggtggat	ccccatgcc	ttacctgcta	gactcaggg	ttatatactg	120
tagtggagag	gtgattccga	aggaatgttg	taagacaatt	gaagagcagt	aacatcaaag	180
ttatttgacc	taagggcagg	agttacagta	agtatccact	tttatacaag	aaacaataga	240
taaactggaa	atcttggagc	ccttcctgga	actgggggta	atgagaagtc	aacatggtgg	300

<210> 357
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 357						
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tattttgggg	agtaaagtca	attgggcaga	ggatcctgcc	cttaaggaaa	ttgttctgca	120
gcttgagaag	aatgttgaca	tgatgtaata	agaattcatt	tctgacatat	tttacatttc	180
tggcaatctc	aactcttatt	tggaataactt	ctgtgcattt	gtctgtccac	cgtaatttta	240
gaaaagcata	tccataacgt	ttacagttgt	agtacagttg	tggttagtta	tttgtagtgg	300

<210> 358
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 358						
ggtgattaca	gaagcccaga	aggttgatac	cagagccaag	aacgctgggg	ttacaatcca	60
agacacactc	aacacattag	acggcctcct	gcctctgatg	gacctgcac	ttgatggacc	120
agctggcacc	accagatca	ataaactggc	ttattttgaat	ttgcggcccc	ccaccagga	180

actgactcag tgcaagaaga cagcttcgac tccctgtgat ttcattctctg accaatccgc	240
actcctggct cactggcttc cccaacccat gaagttttcc ttaaaaactc tgctcccga	300

<210> 359
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 359						
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aaagggtcag ttatgtgacc taaatgcaga actaaaacgg tgccgtgaga ggactcaaac	120					
gttggaccaa gagaaccagc agcttcagga ccagctcaga gatgcccagc agcagggtcaa	180					
ggccctgggg acagagcgca caacactgga ggggcattta gccaaaggtag aggccccaggc	240					
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<210> 360
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 360						
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tgagtggtaa attccaattc tgcagcagat cagtaaaactc acagtatttt tcctgtggaa	120					
atctattcaa taaggaaacc aagacaggat aataaaaattt aaaaaaaaaac aactttgaat	180					
tcccctgcct aggtcttcca gttgttttcc agcgcatacc tcaggtagta ctttgctagc	240					
cggggacaaa attagcacct tccgattctc tagtccaaat gaactttgtg ctaaataaaa	300					

<210> 361
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 361						
gtagaacaga aaatgagcat ccgattttctt cactaaagga gaccaaactg ttccttgccg	60					
tctagtattg aagaactgga acttgaaagt cctccttcta ccaactccac ctccaccccc	120					
tcattcccct tctcccaaag tactactgct gttgcatgac aacccccaat atgttctgtc	180					
aacacaaacc tgccttttgg gtataaacag ggcattacag aatggtacac cctatatatt	240					
tctgttcagt atccattcac tagttcttca tttataaata tcattcttccc cattctgctg	300					

<210> 362
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 362						
actaccccggt ctacgggttc cccatgcctg gcagcttggc catggggcccg gtcacgaaca	60					
aaacgggcct ggacgcctcg cccctggccg cagatacctc ctactaccag ggggtgtact	120					
cccggcccat tatgaactcc tcttaagaag acgacggctt caggcccggc taactctggc	180					
accccggtatc gaggacaagt gagagagcaa gtgggggtcg agactttggg gagacgggtg	240					
tgcagagacg caagggagaa gaaatccata acacccccac cccaacaccc ccaagacagc	300					

<210> 363
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 363
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 ggtttcacat gaatactata ctgaaatctg tgctctcaag atctagcagt gaccagggct 120
 gcccggcggg ggctctcctg gcaagtcagg aaggtnnnnn nnnnnnnnnn nnnnnnnnnn 180
 canattantn nctgatcntc tntnangaan nnngantngc tctnttggn nttgtnnnnn 240
 gncntnnnnt naantntttt ntnatgtngc t 271

<210> 364
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 364
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 ccgcattcct gctgtgttta ggcagcagg ggtgacctca ctctccctg gcctgagctc 180
 tccgtcccgc atcccaggcg gaggccctag ggaacacttt gaagctgagc acgggggtgga 240
 ccctccctcc tgagtgaatg gagaatagaa agggagagga tttctgttct gttctgtggg 300

<210> 365
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 365
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 tgaaccgtct tggcatatgg ggtgagggtta ctccatttag agaattcagt gattttattc 180
 aagcagtaga acggagagga gttggtgcc a tggaaatagt tgctatggat atgaagctta 240
 gaggaatgta cattgctcga caactgagct ttactggagt gaccttcaaa attgaggaag 300

<210> 366
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 366
 gccagtcctc accttcccta gtcctcgtgt gtatttttagg agatgcgtgg gtgtggaaca 60
 gcctcctgcc tccgggccag gtgtactggg gtctgtgtgt tgtgtttctg cgtgttctcg 120
 gcagaaagtg gcatgctgtc ccgcctgggt gatttgctct ttacactat tgctgaagga 180
 caggaacgaa tccctatcca caagttcacc actgcactaa aggccactgg actgcagaca 240
 tcagatcctc ggctccgaga ctgcatgagc gagatgcacc gcgtgggtcca agagtccagt 300

<210> 367
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 367

cattgccaga	gagcggtttc	agcaagctgc	agatctgatt	gatgctgagc	aacgaatgaa	60
gaagtccatg	tggggtcagt	tctgggtctgc	tcaccagagg	ttcttcaa	acttatgcat	120
agcatccaaa	gttaaaaggg	ttgtgcaact	agctcgagag	gaaatcaaga	atggaaaatg	180
tgttgtaatt	ggtctgcagt	ctacaggaga	agctagaaca	ttagaagctt	tggaagaggg	240
cgggggagaa	ttgaatgatt	ttgtttcaac	tgccaaaggt	gtggtgcagt	cactcattga	300

<210> 368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 368

gcccggcccc	gcgacgctgg	cgacgctttc	gcccctgagg	tagtttggcg	accgcgaaga	60
aggaaaaagg	gcggggcgggc	ggctgtcctc	tcaccgtcct	caccccgcca	ggcccgggcc	120
gctcctcctg	cgtggatttc	gcggcgatcc	ccccggcagc	tctttgcaaa	gctgcttgaa	180
acttctccca	aactcggcat	ggatacgact	gcggcgggcg	cgtgcctgc	ttttgtggcg	240
ctcttgctcc	tctctccttg	gcctctcctg	ggatcggccc	aaggccagtt	ctccgcaggt	300

<210> 369

<211> 300

<212> DNA

<213> Homo sapiens

<400> 369

gtggggtgtg	cctcgtgtgc	gtggattcgt	gtgtgtgtgt	gtgtcttgta	tatgtgtgcg	60
cagagtgcac	cattttcaga	ctctactatt	tccgtcaagt	attctgtttg	atttggatca	120
tctcaggatc	ggattctgtt	ttagagtgtt	tctggggccag	gatccggggc	cctgccctcc	180
tctgcacctg	accacactcc	ctactcaggg	ctagtctgtt	cttcccggac	atcttctggt	240
agccgtgcag	gagagggctg	ggtggggcag	aggccacaga	ggggacctgg	tgtgtcacct	300

<210> 370

<211> 273

<212> DNA

<213> Homo sapiens

<400> 370

cagaggctgg	ttcagaaaag	gaggaagagg	cccggctggc	agccctggaa	gagcagagga	60
tggaggggaa	gaagcccagg	gtgatggcag	gcaccttgaa	gctggaggat	aagcagcggc	120
tggcccagga	tgaggagagt	gaggcctagc	gcctggccat	tatgatgatg	aagaagctnn	180
nnnnnnnnnn	nnnnnnnnnc	atcatgtccn	ntgcatggct	acctatccca	tatttnatnt	240
ccctnncgtt	gnttcnaatt	ncacattntc	ttt			273

<210> 371

<211> 300

<212> DNA

<213> Homo sapiens

<400> 371

gatgaggagt	gtttaatcat	tgatacagaa	tgtaaaaata	atagtgatgg	aaagacagct	60
gttgtggggt	ctaacttaag	ttccagacca	gctagtccaa	attcttcctc	aggacaggct	120
tctgtaggaa	accagactaa	tactgcttgt	agtcctgaag	agtcattgtg	tttaaaaaaa	180
cctatcaaac	gagtatataa	aaaatttgat	ccagttggag	agatttttaa	aatgcaggat	240
gagctcttaa	agccaatttc	cagaaaagta	ccagaattgc	ccttaatgaa	tttagaaaat	300

<210> 372

<211> 300

<212> DNA

<213> Homo sapiens

<400> 372

gggccccaat	gcagctgccc	tctccagata	cctggcagcc	tcatatatca	gccaaagcct	60
ggctcggcgg	caggggcctg	ggggaggggc	ccccgcagcc	tcccggggct	cctggtcctc	120
tgctcccacg	tcacggggcat	cttcgccgcc	ccccagccc	cagccaccac	ctcccgcagc	180
caggcggctc	agctatgcca	cgacgggtta	catccacgtg	ggcgggggtg	ggcggctgcg	240
gccagccaag	gcccagggtc	ggttgaacca	ccctgctctc	ttggcctcca	cacaggaatc	300

<210> 373

<211> 300

<212> DNA

<213> Homo sapiens

<400> 373

accctttctg	ccttctgttt	gggacccagc	tggtgttctt	tggtttgctt	tcttcaggct	60
ctagggctgt	gctatccaat	acagtaacca	catgcggctg	tttaaagtta	agccaattaa	120
aatcacataa	gattaaaaat	tccttctctc	gttgcaactaa	ccacgtttct	agaggcgtca	180
ctgtatgtag	ttcatggcta	ctgtactgac	agcgagagca	tgtccatctg	ttggacagca	240
ctattctaga	gaactaaact	ggcttaacga	gtcacagcct	cagctgtgct	gggacgaccc	300

<210> 374

<211> 300

<212> DNA

<213> Homo sapiens

<400> 374

tcaaggccta	cgaacagggtg	atgcactacc	ccggctacgg	ttcccccatg	cctggcagct	60
tggccatggg	cccggtcacg	aacaaaacgg	gcctggacgc	ctcgcccctg	gccgcagata	120
cctcctacta	ccaggggggtg	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	180
gcttcaggcc	cggctaactc	tggcaccgcc	gatcgaggac	aagtgagaga	gcaagtgggg	240
gtcgagactt	tggggagacg	gtgttgcaga	gacgcaaggg	agaagaaatc	cataacaccc	300

<210> 375

<211> 300

<212> DNA

<213> Homo sapiens

<400> 375

cttcagtgc	cacaacagga	gagaggagaa	agaagaaacg	ctagttaattc	caagcactgg	60
aattaagttg	ccttcatcag	tgtttgcttc	agagtttgag	gaagatgttg	tgattgttaa	120
ataaagcagc	tccagtttca	ggacctcgac	tggattttga	tcctgacatt	gttgcagctc	180

ttgatgatga ttttgacttt gatgatccag ataatctgct tgaggatgac tttattcttc	240
aggccaataa ggcaacagga gaggaagagg gaatggatat acagaaatct gagaatgaag	300

<210> 376
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 376	
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ggggccagtt cagagaccca ctcccagggtg tgcattctct ttctcaagga tgttccttgc	120
tgagaaaaag aattcagtga tatttctccc atttgcttgt gaaagaagag aaatgtggct	180
ttgttccacc tggctcaccg gcggtcagaa ttaaggtta tctctcttgt ttcctaaaca	240
ttgctgttat cctgttcttt tttcaagggtg ccagatttc atattgctca aacacacatg	300

<210> 377
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 377	
gatcagccca cctcggcctc acaaagtgtt gggattacag gcgtgagcca ccttgcccag	60
cccacatcat acagtttgaa atgaaacttt gccacaacca gcctttgctg tagcacacac	120
atatatcact gaacctgttt gaaataaagt ttttttctt tttcctctgg tattctgggt	180
tctgaagtct ggtattctgg tattctgggt tcaaaagtat gacttgagag tgttgctctg	240
gtattctgag agttgctctg tattctgggt tctgaagatt atttgaaaa taactcctac	300

<210> 378
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 378	
tgcgtgtgat ccaaggataa aaaagttcaa ggaagaagaa aaagccaaga aagaagcaga	60
aaagaaagca aaagcagaag ctaaaccgaa ggagcaagaa gctaaagaaa aacaagaca	120
agctgaatta gaagctgctc ggtagctaa ggagaaagaa gaggaggaag tcagacagca	180
agcattgctg gcaaagaagg aaaaagatat ccagaaaaaa gccattaaga aggaaaggca	240
aaaacttcga aactcatgca agacctggaa tcatttttct gataatgagg cagagcgggt	300

<210> 379
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 379	
acactataga atacaagcta cttgttcttt ttgcaggatc ccacgattc gaattcggca	60
cgaggcagct tcgagccaat ggtgagctcc ttctggatca gctccttcag ctcttcttg	120
ctcaggatgc tgaaattgca aggctgatgg aagacttga ccggaacaag gaccaggagg	180
tgaacttcca ggagtatgtc accttcctgg gggccttggc tttgatctac aatgaagccc	240
tcaagggtctg aaaataaata gggaagatgg agacacctc tgggggtcct ctctgagtca	300

<210> 380
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 380
 acctggacag ggccagctgc tgggggagcg gcactgggga ctggaggctg gaagcgggtg 60
 gtgtgtgtcc cctgtttact tttagctgag ctggggtttg gtgtacgggt tctgttcctc 120
 tgagccctgc ggcccacctg atgtttacgt gtgtgtgtga gggggggcnn nnnnnnnnnn 180
 nnnnnnnnnn ngtnatange ttaacanatg nanagncnac tnactnctga ttntttatnc 240
 atttgtgcat ttnnaactatg cttttncgat cttnctgntg nnatnacngg catgat 296

<210> 381
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 381
 cagaaaagag tatagtaggg atgaccaagg tcaaagtggg taaagaagac tcatcatcca 60
 ctgagtttgt agaaaaacgg agagcagctc ttgaaaggta tcttcaaaga acagtaaaac 120
 atccaacttt actacaggat cctgatttaa ggcagttctt ggaaagttca gagctgccta 180
 gagcagttaa tacacaggct ctgagtggag caggaatatt gaggatgggtg aacaaggctg 240
 ccgacgctgt caacaaaatg acaatcaaga tgaatgaatc ggatgcatgg tttgaagaaa 300

<210> 382
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 382
 gccaccggtc tcttcctaat ctgcacagac tatttttgggt atttctgggc gggcagttcc 60
 tttgcatgtt tcgggagagg tttgctgatt tggggccttat atgtcaggcc tttggtttgc 120
 gtcttatttt aggggttggt tgggggcctg ggtggtcggc ctcacatggg aaggggatgg 180
 gtagtggatg gggtttctgt tgtatcttgt gggcgggtga ttttgctttt gtttttgttt 240
 cacattcttc cccctccaca agccaaagtc gtttcatttg gtttccactg tgtggactgt 300

<210> 383
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 383
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 tcggaatcgg cactgtcttg tcaacatgga aacatcgtgc tcttttgatt cttccatctg 120
 tagtggagaa ggggatgata gtttaaggat aggtggnnnn nnnnnnnngc cngcnttnac 180
 ttnatngcnn ctttttcttg atcnacgnen gnnatncnna nnngtntata ntaatncnga 240
 anantntttt gnnntgcttt atcaantntt cnt 273

<210> 384
 <211> 259

<212> DNA
<213> Homo sapiens

<400> 384

aagagaagga	cctagagatt	gagaggctta	agacgaagca	aaaagaactg	gaggccaaga	60
tggtggccca	gaaggctgag	gaaaaggaga	accattgtcc	cacaatgctc	cggccccttt	120
cacatcgcac	agtcacaggg	gcaaagcccc	tgaaaaaggc	tgtggtgatg	cccctacagc	180
taattcagga	gcaggcagca	tccccaaatg	ccgagatcca	catcctgaag	aataaaggcc	240
cgaagagaaa	gctggagtc					259

<210> 385
<211> 296
<212> DNA
<213> Homo sapiens

<400> 385

agagcctgca	agtgacaaag	gaagtgaggg	agaggcccac	atgcccccac	cgttcacacc	60
ctacgtgcct	cggattctga	acggcttggc	ctcggagagg	acagcactgt	ctccgcagca	120
gcagcagcag	cagacctatg	gtgccatcca	caacatcagc	gggactatcc	ctggacagtg	180
cttggcgcac	agcggcacgg	gcagtgtggc	ttgctgcccc	ccaggaggcc	tgaggctggg	240
tctcactgct	ctgaaaaaga	cccnncctaa	atgggccttg	gggctnnagg	cccttg	296

<210> 386
<211> 300
<212> DNA
<213> Homo sapiens

<400> 386

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ctggtgcagc	agcaagggtg	tggctctgag	cacattgacc	accacattca	gggccagggg	120
ctcagtgggc	aagggtctct	tggcctggcc	ctgtacgact	accaggcagc	cgacgacaca	180
gagatctcct	ttgaccccga	gaacctcatc	acgggcatcg	aggtgatcga	cgaaggctgg	240
tggcgtggct	atggggccgga	tggccatttt	ggcatgttcc	ctgccaacta	cgtggagctc	300

<210> 387
<211> 300
<212> DNA
<213> Homo sapiens

<400> 387

ccgcagaggg	cctggaagag	gtgctcacca	cgccagagac	tgtgctcaca	ggccacacgg	60
agaagatctg	ctccctgcgc	ttccaccac	tggcagccaa	tgtgctggcc	tcgtcctcct	120
atgacctcac	tggttcgcac	tgggaccttc	aggctggagc	tgatcggctg	aagctgcagg	180
gccaccaaga	ccagatcttc	agcctggcct	ggagtccctga	tgggcagcag	ctggccactg	240
tctgcaagga	tgggcgtgtg	cgggtctaca	ggccccggag	tggccctgag	cccctgcagg	300

<210> 388
<211> 300
<212> DNA
<213> Homo sapiens

<400> 388
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 gagcacattt tgtaggggtgg caccttttta tccaagttac tagctacaca tcagtgttta 120
 aagagaaaaa agtgaccttt catttttttt tcttgaaact tgaggaaaca agatacatac 180
 tactgatttt ttttttctta aaactaaatg catgactgca gagcggtaga ggtgtatatt 240
 tttcatactg tggggcaaag tatttgtgct gcttttttga gatggactgg aacgtctggt 300

<210> 389
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 389
 gtcaagctgg ccctggatgt ggagatcgcc acctaccgca agctgctgga gggcgaggag 60
 tgcaggctga atggcggaagg cgttggacaa gtcaacatct ctgtagtgca gtccaccgtc 120
 tccagtggct atggcgggtgc cagcgggtgc ggcannnnnn nnnnnnnnnn nnnatgaanc 180
 agntactcct atgggnnttag cnttntanct atnacctgcn cnaactannc tnangtgcta 240
 gnncttgccc caaccctac ttttgtatatt atattgtgtg tgcgtgtgtg cgt 293

<210> 390
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 390
 ctcacacctg ctttggatgc ttcaagcacc tcagccctct gaactacaaa acagangagc 60
 ctgcaagtga caaaggaagt gaggcagagg cccacatgcc cccaccgttc acaccctacg 120
 tgcctcggat tctgaacggc ttggcctcgg agaggacagc actgtctccg cagcagcagc 180
 agcagcagac ctatggtgcc atccacaaca tcagcgggac tatccctgga cagtgtcttg 240
 cgcagagcgc cacgggcagt gtggctgctg cccccagga ggcttgaggc tgggtctcac 300

<210> 391
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 391
 acccgtccgg ggccggccaa tttgcatatt tggaatgcgc cgctataaac ccggtctggg 60
 ttttgcagcg atttcttaga tgtaaaaatg agatctcaat agcagcgggc tgggcacatc 120
 ctctcctctc tccttctctc tctgcccgga gctggtttcc gtctctcggc tcggggctgg 180
 aactccggcc caacctaggc gcgcagccgc cacgagatgg cgcacttccg atcaatgtca 240
 aagccgcccgg ggagccc 257

<210> 392
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 392
 gcgcgagcgt cggctccgcc tgggcccttg cgggtgcgctg cgggcaggcg gtgaggctca 60
 cgcattgtgct tacgggcaag aacctgcaca cgcaccactt cccgtcgccg ctgtccaaca 120

accaggaggt	gagtgccttt	ggggaagacg	gcgagggcga	cgacctggac	ctatggacag	180
tgcgctgctc	tggacagcac	tgggagcgtg	aggctgctgt	gcgcttccag	catgtgggca	240
cctctgtgtt	cctgtcagtc	acgggtgagc	agtatggaag	cccatccgt	gggcagcatg	300

<210> 393
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 393						
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cgcatgtgct	tacgggcaag	aacctgcaca	cgccacctt	cccgtcgccg	ctgtccaaca	120
accaggaggt	gagtgccttt	ggggaagacg	gcgagggcga	cgacctggac	ctatggacag	180
tgcgctgctc	tggacagcac	tgggagcgtg	aggctgctgt	gcgcttccag	catgtgggca	240
cctctgtgtt	cctgtcagtc	acgggtgagc	agtatggaag	cccatccgt	gggcagcatg	300

<210> 394
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 394						
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aaaggaggag	aggctgtctg	cctttatgag	gagccagtgt	ctgaattgct	gaggagatgt	120
gggaattgca	cacgggaaag	ctgtgtggtt	tccttttacc	tttcagctga	ccatgaactc	180
ctgagcccga	ccaactacca	cttcctgtcc	tcaccgaagg	aggccgtggg	gctctgcaag	240
gcgcagatca	ctgccatcat	ctctcacnag	gngaccatat	tggtttttga	cctggagacc	300

<210> 395
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 <212> DNA
 <213> Homo sapiens

<400> 395						
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gaaaccaaac	agtctacctg	ggagaaacca	gatgatctta	aaacacctgc	tgagcaactc	120
ttatctaaat	gcccctggaa	ggaatacaaa	tcagattctg	gaaagcctta	ctattataat	180
tctcaaacia	aagaatctcg	ctgggccaaa	cctaaagaac	ttgaggatct	tgaagcaatg	240
atcaaagctg	aagaaagcag	taagcaagaa	gagtgcacca	caacatcaac	agccccagtc	300

<210> 396
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 396						
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cccaccacac	tgaatctccc	ctcctcacag	ttgccatgta	gaccccttga	agaggggagg	120
ggcctagggg	gccgcacctt	gtcatgtacc	atcaataaag	taccctgtgc	tcaacaaaaa	180
aaaaaaaaaa	aaaaacnnnn	nnnnnnnnnn	nntntngggn	gnctnntnnc	nnaaanccan	240

ncttnataaa anccttngnt natttggaac aaccncann taaanngcag ggaaaaaaag 300

<210> 397
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 397
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 tcccagtttt ctggaagcaa tcctacccca gcccaagctt cccagagtcg agccttaatc 120
 cttctcactt ctcagtgtca gagcagaaat gaatcctggg gttgactgtg tccattcggg 180
 ttattagcag ctaagaagcc cagacgagta gtgtgagctg ccttgggagc ctcagtgagg 240
 gcactgggac tggcctcact ctcttgcccc cagcctagtg ggctttctcc tctgtctctc 300

<210> 398
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 <212> DNA
 <213> Homo sapiens

<400> 398
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 tttgttggcc aggcaggaca aaaactcatg atgtcccaga gggaatcact gatgtcccat 120
 gcaatagaac tgaaatcagg gagcaataag aacattcaca ttgctctggc tacattggcc 180
 ctgaactatt ctgtttgttt tcataaagac cataacattg aagggaaagc ccaatgtttg 240
 tcactaatta gcacaatctt ggaagtagta caagacctag aagccacttt tagacttctt 300

<210> 399
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 <212> DNA
 <213> Homo sapiens

<400> 399
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 gagaatattg ccaccattct ggaagccaag tgtgccctga aatatttgat tggagagctg 120
 gtctcctcca aaatacaggt cagcaaactt gaaagcagcc tgaaacagag caagaccagc 180
 tgtgctgaca tgcataagat gctgtttgag gaacgaaatc attttgccga gatagagaca 240
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<210> 400
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 400
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 ttctggagtt cgaatttcgg ccggacggaa agcttagata tgccaacaac agcaattaca 120
 aaaatgatgt gatgatcaga aaagaggctt atgtgcacaa gagtgtaatg gaagaactga 180
 agagaattat tgatgacagt gaaattacaa aagaagatga tgctttgtgg cctccccctg 240
 atagggtttg ccgacaggag cttgaaattg taattggaga tgagcacata tcttttacca 300

<210> 401

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 401
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 agtggcgga gcagcagccg cagcagccaa agagaggcaa gagaaagaga aagcgggcgg 120
 tggaggggtc ccggaagagc tgggtccccgt gggtgagctg gtccccgtgg ttgaattgga 180
 agaggccata gcccagggct cagaggccca gggcgctggg tctgggtggg acgcgggggt 240
 gcccctaag gtgcagctgc agcagtcacc actagggggg gatggagagg aagggggcca 300

<210> 402
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 402
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 caaaggcgac ccgttccaga atgaccctt tgcagaacag cagacaactt caacagatcc 120
 atttggaggg gaccctttca aagaaagtga cccattccgt ggctctgcca ctgacgactt 180
 cttcaagaaa cagacaaaga atgaccatt tacctcggat ccattcacga aaaacccttc 240
 cttaccttcg aagctcgacc cctttgaatc cagtgatccc ttttcattct ccagtgtctc 300

<210> 403
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 403
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 ggaacatcct cgcccaagct cttggagaag gcaaagacaa ctttgtacag tgccctgttg 120
 aagcactcaa atgggaagaa aggaaatgtc tcactcctga agaaatcctg gcctaccagc 180
 ctgatataatt gtgcctccaa gaggtggacc actattttga caccttccag ccactcctca 240
 gtagactagg ctatcaaggc acgtttttcc ccaaaccctg gtcaccttgt ctagatgtag 300

<210> 404
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 404
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 ctctgtgcaa acttgatgag ctttctgcta agcgagagac tagtggagaa aaatccagac 120
 aattaagaga tgctcagcag gatgcaagag ataaaatgga ggatatcgaa cgccaagtta 180
 gagaattgaa aacaaaaatt tcagctatga aagaagaaaa agaacagctt agtgctgaaa 240
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<210> 405
 <211> 856
 <212> DNA
 <213> Homo sapiens

<400> 405

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gcacgaggaa	ggaggaccta	ggcacacaca	tatgggtggcc	acacccagga	gggtagtggg	120
gagttagatt	tcagagtcca	ggccctaggt	tgggacccac	tccaaataat	ctcctcggtg	180
tgggtgggtg	ttctatagag	ggataaatga	ataataaaca	ttgttaaaat	atacgaaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	anaanaaaaa	300
aaaananaaa	aatnaaaaaa	annanaaaaa	aaaaaaaaaa	aanncccctn	cncacctaaa	360
nattcngggg	ggntttttcc	tccannccnn	ntntttaata	nnctncttnt	tgnntcttng	420
nctcacnnt	tcttttggtg	ggcnntaana	naaaatnttn	nttttttttn	ggntanaaat	480
ncnntnncng	ttttttntnn	ttttttttcn	aaacctcct	ntntanctc	ncgtntcnaa	540
aaanntnttt	ntcncnncn	nttnntntnt	nctntttcta	tttttnnttc	ttntncaann	600
ttcenangtg	nnngngtnt	nntgnggctt	gtttnttttt	ncnncctngc	gtcatccnnc	660
caataatttc	ttnnnccccc	nannccnnt	ttttntntnc	ctctatntnn	gnngngnnat	720
atnantcccc	tttatntttn	atnantagtc	ntntnttttn	ttntccntng	tnatannatt	780
ttntntcccn	ntntaanttc	ctcannnnat	ttntntnnnn	ncgngntata	tttnangnta	840
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<210> 406

<211> 843

<212> DNA

<213> Homo sapiens

<400> 406

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actcgatgaa	gaggggtgtc	attctgggct	cgggggtggt	gccaattttt	caccagaaag	180
ggagccaccc	cttgcaacca	cttctgtctc	cgttagcccc	ccctctgccc	tcctccaagc	240
caaagcgtgg	cctggctttt	gtcttcccat	ttagttttcc	tctttttacc	ttccttttgt	300
gcttaattta	ttaaaatagt	tgctgtataa	tttattttca	taaactataa	aaaaatacta	360
aatgggttaa	atagacttgc	aggccaatct	taaatggggt	gggaggggtc	tgaggggtgg	420
atggggaaag	ggaaagaggt	tttgatntaa	acaaaacaaa	tgcacttttg	gtgtgtnnng	480
gnatttttnt	ggggatanan	gggggtgggg	nnnnngnann	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
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ncn						843

<210> 407

<211> 743

<212> DNA

<213> Homo sapiens

<400> 407

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atatagagga	agtagattag	tggttgcttc	gggatgggag	gaatgggaag	attgaggtct	180
ttcttttgca	gtgataaaaa	tgtcctaaaa	ttgactgtag	cgatgggtcac	acaactctga	240
atatgcttaa	gaccattgaa	ttacacactt	tacgttggtg	aattgtatgg	tatgtaaatt	300
atagttcaat	aacatagtta	caaaagataa	tcaaaagcat	gaaagcactg	ttgatgtggg	360

ttggatctgt	gtcctcaccg	agtctcatgt	tgaaatgtaa	gccccctggg	gggaggcgat	420
gggattatgg	ggcagagtc	tcacaaacgg	tttacaccac	ccgctcagtg	ctgggtctcct	480
gatattgagt	cctcatcaca	tctgggttgc	tcaaagtgtg	tggtgcctcc	cctctatctc	540
cctnctgctc	tgcccatata	agatgtgcct	gcttctcttc	gccttctaac	atgattgnaa	600
gtttcctgag	gcctncctag	aacaaaactg	ctgtgctttc	tgnncccatc	tacaggaccc	660
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<210> 408
 <211> 746
 <212> DNA
 <213> Homo sapiens

<400> 408						
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tccagcacia	gcctctgcta	gtngatctca	cggtagaaga	aggtcaaaga	ttaaaggtna	120
tttttggttc	acacactggg	ttccatgtaa	tngatgttga	ttcaggaaac	tcttatgata	180
tctacatacc	atctcatatt	cagggcaata	tcactcctca	tgctattgtc	atcttgccca	240
aaacagatgg	aatggaaatg	cttgtttgct	atgaggatga	gggggtgtat	gtaaacacct	300
atggccggat	aactaaggat	gtgggtgctc	aatggggaga	aatgcccacg	tctgtggcct	360
acattcattc	caatcagata	atggctgggg	cgagaaagct	attgagatcc	ggcagtggaa	420
caggacattt	ggatggagta	ttnatgcata	agcgagctca	aaggttaaag	tttctatgtg	480
aaagaaatga	taaggnattt	tttgcattcc	gtgcatctg	gaggaagtag	cccaagtgtt	540
tttcatgacc	ctcaacagaa	attccatgat	gaacctggta	accagaagaa	ccccttggca	600
cttatcttca	tggcgttatt	ctaatttaaa	aagaacataa	ctcatngnga	cttatgccca	660
gtctagaggc	agaatcagaa	ggcttgggtg	gaacatatcg	ntttcctttt	tcctttcctt	720
cggccctncc	agnccagtc	atnttt				746

<210> 409
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 409						
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ngtgccctcg	gtgcgtggat	tcgtgtgtgt	gtgtgtgtct	ngtatatgtg	tgccgcagagt	120
gcattcattt	cagactctac	tatttccgtc	aagtttctgt	ttgatttgga	tcattctcagg	180
atcggtattc	gttttagagt	gtttctgggc	caggatccgg	gccccctgcc	tcctctgcac	240
ctgaccacac	tcctactca	gggctagtct	gttcttcccg	gacatcttct	ggtagccgtg	300
caggagaggg	ctgggtgggg	cagagccagg	aggggacctg	gtgtgtcacc	tgcccaccac	360
ctggctcatc	cctcangccc	accctgaccc	tacattacat	aggttacgtc	agcctactgt	420
ggctgttgag	caaagcattt	ctcctttctn	gggcctcatt	gcactagatg	ggcctgtggt	480
cccaaagtag	gtcagtaggt	tgggggttgc	gacacccctt	gggtgcaact	ttgggacaag	540
atgaantggc	tctgtcctgt	cactggcctc	tccttgccctg	ggggctatgt	gcacttcaaa	600
accctggcca	agctcaagcc	catgaagnat	tggagaacac	cctggggccc	caagaactgg	660
angcaccggg	ccanttcccc	tgggattcca	nctttgccan	ggtgaaccct	tcttttaccc	720
naaacttntg	tccccctgnt	tccacttcca	aaaanaactg	g		761

<210> 410
 <211> 748
 <212> DNA

<213> Homo sapiens

<400> 410

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aggncttnta	aatatatctn	ggntttanta	ggtgataagt	nctgtcantt	agtancatct	120
gaaaaancag	ctttgtcctg	ggtgaaaaag	gatgccaaaa	ttgcctggaa	aagagcagtg	180
anaggagtcc	gggagatgtg	tgatgcntgt	gaagcancat	tgtttancat	tactgggtc	240
tgccaaaaat	gtggatttgt	ggtctgctta	gattgttnca	aggcaaagga	aaggaagagt	300
tctagagata	aagaactata	tgcttggatg	aagtgtgtga	aggacagcc	tcatgatcac	360
aaacntttta	tgccaaccca	aattatacct	ggttctgttt	tgacagatct	tctagatgcc	420
atgcacactc	ttagggaata	atatggtatt	aaatcccat	gncattgtct	aacaaacaga	480
atttacaagt	tggaattttt	cctncatgaa	tggtgtatct	caagtttaca	gaatgtctta	540
atcacagtat	aaaattctct	gngcatgcct	gagtctcagc	gcaaaaatcc	tcctccgaag	600
tctgagaaaa	atggtggcag	cnnccccana	aagtgtgtgt	nggcncagga	ttaccagggt	660
aacttcctcc	agaatnccag	tcaccactgn	actggntagc	anatcttgcc	gagccaaaaa	720
gccnaagnng	ggaaaaaaa	aaaaaaaaa				748

<210> 411

<211> 773

<212> DNA

<213> Homo sapiens

<400> 411

gnangnnngn	ttcntagtgc	ccgtgggagt	cttagatncc	ctaaaaaatt	gntaatgctn	60
ggtcggcacg	agtcaggcc	tacgaaacag	gtgatgcact	accccggtta	cggttcccc	120
atgcctggca	gctnggccat	gggcccggtc	acgaacaaaa	cgggcctgga	cgcctcgccc	180
ntggccgcag	atacctccta	ctaccagggg	gtgtactccc	ggccatttat	gaactcctct	240
taagaagacg	acggcttcag	gcccggctaa	ctttggcacc	ccggatcgag	gacaagtgag	300
agagcaagtg	ggggtcgaga	ctttggggag	acggtgttgc	agagacgcaa	gggagaagaa	360
atccataaca	ccccacccc	aacaccccca	agacagcaat	cttcttcacc	cgcttgcaac	420
ccgttccgtc	ccaaacagag	ggccacacag	atacccccag	ttctatataa	ggaggaaacc	480
gggaaaagaa	tataaagtta	aaaaaaaaag	ctccggtttc	cactactgng	tagacttcct	540
gcttcttcaa	cacctgcaga	ttctgatatt	ttgtgtgttg	gttgttctct	ccattgctgn	600
tggtgcangg	aagtcttact	taaaaaaaaa	aaaattttgn	gagtgactcg	gtgtaaaacc	660
atgttanttt	taacagaacc	nanaagggtt	gncctattgg	ttaaaaaaaa	aaaaaaaaaa	720
aaacttngng	cctttagaac	tattanngag	nccnatttac	nttaatccan	nct	773

<210> 412

<211> 774

<212> DNA

<213> Homo sapiens

<400> 412

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ggagttccaa	ttccagagaa	aatgagtga	tgggcacctc	gacctcccc	agaaatttgt	120
ccgagatgtc	atgggttcaa	gtgctggggc	cggcagtgga	gagttccacg	tgtacagaca	180
tctgcgccgg	agagaatatc	agcgacagga	ctacatggat	gccatggctg	agaagcaaaa	240
attggatgca	gagtttcaga	aaagactgga	aaagaataaa	attgctgcag	aggagcagac	300
cgcaaagcgc	cggaagaagc	gccagaagtt	aaaagagaag	aaattactgg	caaagaagat	360
gaaacttgaa	cagaagaaac	aagaaggacc	cggtcagccc	aaggagcagg	ggtccagcag	420
ctctgcggag	gcacctggaa	cagaggagga	ggaggaagtg	cccagtttca	ccatggggcg	480

atgacaatgt	ttgccacagc	ctctgcctgg	aacctggctc	gtgctgtgac	cagaagggaa	540
aggcggctgt	ttggctcttt	cttccccgca	aggaccccg	ttacccgctg	gatggagagc	600
aaaggagacc	cccttccgag	cccgntcaca	gtcctgtatt	tggcaagggt	tgggaacctg	660
aaggggccaa	tntnccttga	cacttanang	cacttgcctt	tcagacacca	ttccgngcnt	720
ctggtaaaag	gggacaagaa	aagccttaac	cttggcnnc	tatttttgaca	gggg	774

<210> 413
 <211> 773
 <212> DNA
 <213> Homo sapiens

<400> 413

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aaaggactga	gtgcagaaga	aaagagaact	cgcntgatgg	aaatattttc	tgaaacaaaa		180
gatgtatttc	anttaaaaga	cttgggagaag	attgctccca	aagagaaagg	ctttactgct		240
atgtcagtaa	aagaagtcct	tcaaagctta	gttgatgatg	gtatgggttg	ctgtgagagg		300
atcggaactt	ctaattatta	ttgggctttt	ccaagtaaag	ctcttcatgc	aaggaaacat		360
aagttggagg	ttctggaatc	tcagttgtct	gaggggaagtc	aaaagcatgc	aagcctacag		420
aaaagcattg	agaaagctaa	aattggccga	tggtgaaacg	gaagagcgac	caggcttagc		480
aaaagacttt	cttcacttcg	agaccaaang	ggaacagcta	aaggcagaag	tagaaaaaat		540
ncaaagactg	tgatcccgc	agttgtngga	agaaatcgcc	aagcaaata	agtagcccaa		600
ggaactgctt	acagatggac	tgattacata	ttcgcaataa	aatcttnggc	ccaaagaaaa		660
atttnggggt	tgaaggaaaa	ttaaattggg	tngaaccttt	tgggaatttc	cgaaagactt		720
ttgcctncnt	ngacttaaaa	tatttccatg	gnngtgaaag	gttggtccaan	ctt		773

<210> 414
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 414

gnagnnnnnn	nttctaata	gtc	ttggggnnnn	ngtcaatnc	ctnngancna	ggcggntcgc	60
tcattccagaa	angtcagatc	ancaaagaag	tccangaaaa	antgcgaccc	agctngaccn		120
tttgatccca	ggcttagcac	acgattgcat	ggcntccctt	ttagccactt	naaccactgc		180
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gaaaacccca	ttttcaactg	agctatcttt	gtccagcctt	gatactccag	actgtgctgg		300
agatagtcac	acccactggg	ctttttcctt	caccgaggac	ttggaaagtt	cttggttgct		360
agaccgaaag	gaagaaaaag	gggattctgc	caggaaatgg	gaatggcttc	atgagtctaa		420
gaagactatc	agagtatgga	gaaacacacc	aaactacctg	gggacaaatg	ctgtcagccc		480
ttaggcaaga	ctaaattgga	aagaaagggt	tctgccaaag	aaaacaggca	ggccccgtgc		540
ctccttcaaa	catacaggga	atcctggaat	ggagaaaaa	tagaatcagt	gaaacaaacc		600
cgtagtccag	ttctgngttt	tcctgggata	tgaaaagaat	gaccanggac	tnctggagtc		660
aacttttcac	ttgaagaatc	tcaaggccac	cggtcattgg	ccacacactn	gaactccttt		720
ttaagatgta	cccattactg	gaattgggct	taggg				755

<210> 415
 <211> 852
 <212> DNA
 <213> Homo sapiens

<400> 415

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ccnttcgtag	gatggtgagt	gtttccctgg	gctttgctca	tcacttcggg	acatcgtgga	180
ctttaccgtg	cgcnttggag	tgtgtgatgg	tgccctgagta	gatctgctgg	cagagtagtt	240
tgagccagct	ggactgggct	ggccgcctgc	cgcttcttga	gggtggaaga	ggggtgctct	300
gagaagacac	tcaggcagca	gactctgcct	ctcactagga	ggtgcccccc	cgaccccggt	360
ccaccatagt	caaggctgca	ggctgccccg	ggagaagtgg	ctccccctct	tgccgctgtc	420
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ntttttttttt	ncttttnaaag	gggttgaagt	tccannaatg	natttcccaa	tttccctccc	600
gaattgggnc	ccaaagggcc	ccaatggggc	antcggctct	ttaaaaagna	accttttttg	660
acctgggaag	aagaaaatca	cccagattgt	tgggaaatat	tttggncatt	aaaataaant	720
aatggaaaac	ctnaaaaaaa	aaaaaaaaaa	aaaactcgag	cccnttaaaa	acttttagtg	780
agtcnnatta	ccnttanatc	canacnttga	tangaanctt	tggataattt	tgggncaaac	840
cnnaacttng	at					852

<210> 416

<211> 754

<212> DNA

<213> Homo sapiens

<400> 416

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acttttatga	cagttttctt	ccgcagcttg	gctnttaaat	tttactggca	ggtgtatggt	120
tggtggaggg	ttcctagtga	gttgggggac	ctggcantan	agctgcttgg	ttggaggaag	180
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tgggtggcaa	tgagaaagag	tcacagtgtg	ggttaaaggg	atctgcagtg	gggccaagga	360
tgccacccca	ccctcagctg	tangcaagct	tgacataaaa	taacccccgt	cagtggagtg	420
ttcgggatgc	agggggcant	atagtgttct	tggactttgt	ccgtcctggg	gcagttttta	480
agttctttat	atttaagtgg	ggtcagtgcc	aagtgtctacc	actttcccaa	taaangaatg	540
ggggacccan	aaggctgggg	tccttggtta	ccttggttatg	aaggttttgn	tntttctctg	600
acaaganttg	ctttggaaag	ancctgtttt	taggggatta	ttttttgnat	accccgatgg	660
gganccaggg	ttctnctcaa	aacccttaca	acccttagga	tcatagggaa	aaggggccc	720
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<210> 417

<211> 755

<212> DNA

<213> Homo sapiens

<400> 417

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gcgccgcaag	ttcctggaaa	cggtggagtt	gcagatcagc	ttgaagaact	ntgatcccca	180
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tgtgtgtgtc	ctggggggacc	agcagcactg	tgacgaggct	aaggccgtgg	atatcccca	300
catggacatc	gaggcgctga	aaaaactcaa	caggaataaa	aactggtcaa	gaagcttggc	360
caagaagtat	gatgcgtttt	tggcctcaga	gtcttttgat	caagcagatt	ccacgaatcc	420
tcggcccagg	tttaaataag	gcaggaaagt	tccctttcct	gtnacacaca	acgaaacatg	480

gtggccaaag	tggatgangt	gaagtnacac	atcaagttnc	aaatgaagaa	ggtggttatgt	540
ctggctgtan	cttgttggtc	acgttgaaga	tgacnngacg	atgaancttg	gggtataaca	600
ttcacctggc	tgtcaacttc	ttggnggtca	attgcntcaa	agaaaaaact	tgggcagaaa	660
tgttcnnggc	cttatnttnt	caagaaccnc	catggggcna	agccccaacg	cccttntttt	720
aaaggcncat	ttggaattaa	attcntnttt	ncccg			755

<210> 418
 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 418						
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ganccentcg	attcgaattc	ggcacgagga	aaggtggcgc	gcttctcacg	gctgagttgc	120
tgcgcttga	gacggaagct	ccccacaggc	agagctgctt	ggatgtgtga	gtcatgaagc	180
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gcagctcctc	ctggcaccag	tccccagggc	tctcctgttg	gtagttcctg	cttttcttct	300
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tggcaatgta	aattgatagc	ttatcttcac	agatgccaga	caatggacaa	ctcaccatca	420
gtcctctgct	cacctgagac	aaatgcatgt	ctgattgctt	cctctgccct	attgnttatg	480
tgaaaatgca	gattcactga	gccagactaa	ggcatcagtg	actgttcctc	tactgcctct	540
cacatggaga	ttgtgtattc	agtgaaggc	tgatcaaaga	ccccaaagga	atgcaccagt	600
ttatctctta	tctacctatg	acctgcgagc	tgncaccac	ccccagttgt	tgcgcctttc	660
cagacagaac	cagtgtcatc	ttacacgtat	taattggatg	tcctgngnct	tccttaatat	720
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<210> 419
 <211> 738
 <212> DNA
 <213> Homo sapiens

<400> 419						
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ggcacgagac	tgttcactct	aagttccact	ataaacaggc	tcactgactcg	ggcacagaca	120
cttcttgctg	gactttttcc	tatgatggta	atgtccttgc	ctctcgtgga	ggtgacgatt	180
cattaaaatt	atgggacatc	cgacaattta	ataaaccact	tttttcagcc	tcgggtcttc	240
ccaccatggt	ccaatgact	gactgctgtt	tcagtccaga	tgataagctc	atagtcactg	300
gtacatctat	tcaaagagga	tgtggcagcg	gcaaacttgt	tttctttgag	cgtaggactt	360
tccaaagggg	gtatgaaata	gacatcacag	atgcgagtg	tgttcgctgc	ctgtggcatc	420
caaagctgaa	ccagatcatg	gttggaaactg	gaaatggatt	ggctaaagtc	tattacgacc	480
ccaacaagag	tcagagggga	gcaaaattat	gtgtgggtta	aaccancgg	aaggcaaac	540
aagctgagac	tctactcagg	actacatcat	caccctcat	gccttgccct	tgttcccgtg	600
agccccgnca	acggagtaca	aaggaaacag	ctggagaagg	acagactgga	tcctgaagt	660
cgcattaacc	tgaacctcct	gtancangcc	cangtcgtgg	tggccgattt	ggaaccacg	720
ggggcactnt	tttttccct					738

<210> 420
 <211> 739
 <212> DNA
 <213> Homo sapiens

<400> 420

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acgagaatca	gaggaggctt	cttcatcctt	caactccatg	atgaactcct	atatgaagtg	120
gcagaagaag	atgttggttca	ggtagctcag	attgtcaaga	atgaaatgga	aagtgtctgt	180
aaactgtctg	tgaaattgaa	agtgaagtg	aaaataggcg	ccagctgggg	agagctaaag	240
gactttgatg	tgtaactgtg	ctgttgatga	agtcctccca	gggaagcctg	tgcagatgca	300
gtcacctgga	aagaacagag	attccctttc	acctacctca	gcaaaacaaa	ctttcaagtc	360
ttgatagact	tagcctagta	attttatagt	gagagtttca	aactatatat	caagtgtcta	420
tagcatcaaa	aacttctggg	ggcgtggggg	aaagtagaat	accaagtata	atagttacat	480
tcactttcaa	agagcatcta	tgaatttgcc	ttttgtaact	tactgtggct	ttaaacadat	540
tcagaacaga	tgcttgaaat	atgcacttag	cacttttggt	ccacatctgt	ctgggtaaac	600
catgaagaaa	atgaagctgc	tgcttcaatc	gancccagac	agcagccata	ggcagataaa	660
gatttngggt	caccttggt	ggtgggaggc	atcgtgtgtg	cctttttttc	ctctaataatc	720
aattttacag	tccgggaan					739

<210> 421

<211> 727

<212> DNA

<213> Homo sapiens

<400> 421

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gaatttcggc	ccggacggaa	agcttagata	tgccaacaac	agcaattaca	aaaatgatgt	180
gatgatcaga	aaagagctta	tgtgcacaag	agtgtaatgg	aagaactgaa	gagaattatt	240
gatgacagtg	aaattacaaa	agaagatgat	gctttgtggc	ctcccctgat	agggttggcc	300
gacaggagct	tgaaattgta	attggagatg	agcacatatc	ttttaccaca	tcaaaaatag	360
gttctcttat	tgatgtaaat	caagtcaaag	gaccttgaag	gccttcgagt	attttactat	420
ttgggtacaag	acttgaaatg	tttagttttc	agtcttattg	gattacactt	caagattaaa	480
ccaatttaaa	ttgtatgttt	tcaagctggg	tgnatatatta	attaaagggg	tgggaagggg	540
ttatttgtca	tttacagtat	tggggtttta	tgaatgtgaa	gcaacccaaa	aaaattnnaa	600
tgtaaaactg	gaaaatagga	aaattcatta	ncagcttaat	gggtatcctt	acttgatncn	660
ctgggttttg	aagtccccac	acacattaaa	tctgtaatga	aancnctttt	ggttaaaatt	720
tctctat						727

<210> 422

<211> 753

<212> DNA

<213> Homo sapiens

<400> 422

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aacttgattg	ggttctcctt	caggtttgaa	gcgcctcna	gaagtgtcta	aaggagacag	120
ttgatagcca	aacaacagtt	ttggattcac	tgactgatta	tgaaagaagc	agtagactgg	180
tatcaagaat	cagtcagcaa	ggaggccctc	accagacgcc	agtgccatgt	tcttggactt	240
ctcagcctcc	atattcatga	actaagtttt	tggaatcctt	aggcttccac	gtgtggaaag	300
cctgagctaa	cctactggag	gatgagccat	cacctggagc	agattcaggc	catcctagtt	360
gaagcctccc	taggccaagc	aaccgtccaa	ctaccagaca	ttgaccattc	agccttgaac	420
attcagcaca	aagacaaaac	agaccagacc	agaagagtcc	cacagaatag	gggaaactat	480
tcagagaaaa	cttaagccac	taagttttat	ggtgttttgt	tcttgtagcc	agaagcatag	540
gcatactggc	caatacaaac	cgaaatcctt	ctaacttant	ggaccctttt	caggccagca	600

ttttttccct	tgaaaacctg	ggagccttgt	attccatctt	attagcagaa	gatcactttc	660
accaatggtt	tgggctcttg	atttggaatt	gatgatgtaa	tgagcctnta	ttcnanatgn	720
gacttaatac	ctctgcgaat	tgactggatt	ccn			753

<210> 423
 <211> 844
 <212> DNA
 <213> Homo sapiens

<400> 423

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gaattcggca	cgaggaaaag	ggagccgcgc	agngcctacg	ggagtncggc	ggcagcagcc	120
ggtaccggca	accacgggca	gctctcaggg	aatctccgtc	gttgaggcca	naggctccag	180
tccccgcgag	tccagatgcc	tgtccagcct	ccaagcaaag	acacagaaga	gatggaagca	240
gaggggtgatt	ctgctgctga	gatgaatggg	gaggaggaag	agagtgagga	ggagcgganc	300
ggcagccaga	cagagtcaga	agaggagagc	tccgagatgg	atgatgagga	ctatgagcga	360
cgccgcancn	agtgtttcag	tnagatgctg	gacctggaga	agcagttctc	ggaagctaaa	420
nggagaagtt	gttcaaggga	acgacttgan	tcanctgccg	gnttgccggc	tggaaggaaa	480
ntggggggggc	ttgaanaaga	agccccctga	atnccaccgg	aagccccctt	ttggggggggg	540
gccttgcaaa	ccgggaancc	ctttnaaagg	aatttcngcc	antttcaang	gttgggccaa	600
ggggaatcnt	accnaagggg	ccttctnngc	cttggnatgg	tgaatccang	gnaaattaag	660
gtncccaatt	gntgaancct	tccaanggga	ancccaaacc	agcacccttg	naanaagttg	720
agaaaacttg	cttgcntctt	ntgacacccc	tncnaggggg	aacttcaagg	aaccggttcc	780
tnaggcttgg	aaggaggacc	cccananccc	tggancctaa	attnttaa	gggtnggacc	840
accn						844

<210> 424
 <211> 799
 <212> DNA
 <213> Homo sapiens

<400> 424

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gcaggatccc	atgcgattcg	aattcggcac	gagcccagac	ctatggagtc	agacagtagg	120
tttgaggccc	agcaatctat	ggtttaacaa	gccatccagg	tgtttctgat	gcacagtga	180
attgggggtac	cactgggtatt	aggtttggtg	tggcaacttt	ttcatcactt	gttttatgta	240
gttgtctgat	caattgtgaa	aacataatga	atgtttgaaa	tggaacagta	aaataacgaa	300
agccaacttt	tttttttttt	tttgagacgg	agtcttgctc	tgtcgcccag	gctggagtgc	360
agtggcgcga	tctcggetca	ctgcaagctc	cgcctcctgg	gttcacgcca	ttctcctgcc	420
tcagcctccc	gagtagctgg	gactacaggc	gcccgnccac	acgcccggct	aattttttgn	480
attttttagta	gagacggggg	ttcacctgtg	tagccaggat	ggtctcgatc	tcctgacctc	540
gtgatccacc	cgcctnnggc	ttccaaagtg	ctgggattac	aggcgtgagc	caccgggccc	600
gggccaaaag	ccaactcttt	atgcctagaa	aatattgtgc	accctatgac	ccaagcccat	660
tgaatttttn	cngggaaatt	tatggtaa	tattgaaatg	gatggtacct	ttaaaaagtt	720
atttggcaca	ttccccttgg	gttacctttg	gnatggtttg	ccagggaatt	naaaactttg	780
ggntnaaacc	ttttttann					799

<210> 425
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 425

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ncccatgcga	ttcgtggagg	tctcctttcg	ccccagccca	ggaggccaag	cccatcctgg	120
cctcagaaca	tgctgagcac	atthttgtagg	gtggcacctt	tttatccaag	ttactagcta	180
cacatcagtg	tttaaagaga	aaaaagtgc	ctttcatttt	tttttcttga	aacttgagga	240
aacaagatac	atactactga	tttttttttt	cttaaaacta	aatgcatgac	tgcagagcgg	300
tagagggtga	tattttttcat	actgtggggc	aaagtatttg	tgctgctttt	tggagatgga	360
ctggaacgtc	tggtttctgt	ccccggggcc	ggcagctacg	tctattttct	gtagaagggtg	420
ccacagtgcg	acctggagcc	acccttctct	gcctggcgcc	gtttanagct	gggagcccgt	480
ggactccggc	ctgtttctac	cttctattca	accactctga	cgtggggaga	caagaagaaa	540
tagaactttt	tgatagtgtg	gtaaaaacat	tggattttga	actatttttag	taaaaggagt	600
taccaacaag	aatgtnatag	gtgctacttt	gagctagata	aataaaggct	ctttgtgagc	660
ctcctgaaaa	aaaaaaantt	nnnnnnnnnn	atnnnnnnnn	annaaaaaaa	ctggnccttt	720
aaaactttan	gggncgttta	cctanaccct				750

<210> 426

<211> 819

<212> DNA

<213> Homo sapiens

<400> 426

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angannnnnt	gcganncgaa	ttcggcacga	aggggggttc	ccaatagtag	aaaagggtcc	120
ccattcctgc	tcagcacccg	acctctctac	ccccccacag	acacacatgc	agacacacac	180
atgcagacaa	cacgcagaca	cacacatgca	ggcactcaca	tgcaggccca	tgcacacaca	240
cgtgcacaca	catgcagaga	catgcagaca	cgcaggcaca	catgcacaca	tgcaaagaca	300
cgcattgcagg	cacacgcaga	cgcacacaga	gacacacatg	cagatcacat	gcacacacac	360
atacacacac	tggcccctgt	ttttctgtgg	tgteactggg	tgccagcaac	tcggatatctn	420
ccaccttcca	ctaaaacctg	ggccttaatt	tctctcccgt	ccccaccctt	aaattcctga	480
tggatgaacc	tagagctgtc	ctgtccactc	caggccggac	tgacgtancc	tatgggcccc	540
gcagggtccag	ggcccacgtt	ttaattttct	tttnaaaagc	tttaggtctt	ggccngggccg	600
ccggtgggtc	acgccttggg	agttcccagc	atthtttngg	aaggccnaag	gccgggttgg	660
attcacaag	gtcaagcaag	tttcaaggaa	ccaagccttg	aaccaggcca	ttgggtgagg	720
aaccctgggc	ttnttactng	ggnaaattcc	caaaaaaaaa	ttggccttgg	gccnaagggt	780
gggcaagggc	acccttggtg	gggtccccaa	antttacct			819

<210> 427

<211> 750

<212> DNA

<213> Homo sapiens

<400> 427

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nntgcgattc	gaattcggca	cgagggtccaa	ggacaacttc	gagacatttc	tttttgccac	120
cgtatctaac	aggagcagg	aagatctctg	ccgagggaatt	gtccagctct	gcttcaatga	180
gcaaagccaa	cagctgctag	cagagggtcca	gccctctgac	tcttttctca	tggtagagac	240
aactgcatac	tttgaggcct	acaggcacgt	cctggaagga	ctccaggagg	tccaggagga	300
agatgttccc	ttccagagga	atatcgtgga	gtgtaactct	catgtgaagg	agccaaggta	360
cttgctaattg	gggggcagat	atgactttac	ccccttaata	gagaatcctt	cagccactgg	420
ggaatttcta	agaaatgtcg	agggtttgag	acatcccaga	attaatgtct	tagatcctgg	480
ccagtggccc	tcaaaagaag	ccctgaactg	gatgactcca	gatggaagcc	ttgcagtttg	540

ctctcacaag	ggaactggct	attattcaag	gaccttcttg	aacaggcnaa	acctatgtgg	600
gtctnaaaaa	ttgttcaagc	ccttctacca	acgagtcttg	tttggcaaaa	ttaaccttca	660
gaaattccca	tcttggttgn	gtgtatacta	atcatgcttt	ggaccanttc	tggaangctt	720
ttccattgtc	agaaaaccan	atttggccgg				750

<210> 428
 <211> 943
 <212> DNA
 <213> Homo sapiens

<400> 428						
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anaaaagnnt	gnngcggttg	gctcaagggc	caccanaaca	tttctttatt	attattattt	120
tttaacctgn	acatgcntta	aagggctctat	tacctttctt	tccgtctgtc	tcaacagctg	180
aaatggggcc	nccaaggagt	gccttctctt	tgctccctcc	tactgggact	gacggntggg	240
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tttgccgggg	ttgcanntng	acancangct	gnanaggana	tggtctaata	ctgttttaatg	360
gaaacctgct	tggtgcttga	nggaacttag	nctgaatttt	cccgaacttc	tctgccagtt	420
attgacacan	tctctttnta	agacangaaa	taaactaaac	cccaccccaa	ggnantnatn	480
ncangcngaa	aacnncncat	ngcccacatt	ncctnatecc	ntancaccnn	ctcntttntt	540
nncccaanac	tncttcccan	ntntcnctnt	ttacccttan	ncntnnttnt	atcccnctaa	600
tnctnannnn	ccntnnttnt	ccnnatnctt	acnncncnnc	ntnnnncccn	nntctttnnn	660
cccaaancn	ncctnncnnt	tcnncnnaac	cntntnnnca	nnanacacce	ttctnatnnc	720
ccannntctn	cacnntnnnt	ntctccnntt	nnncnccnnc	ntcntnnnna	nancntntnn	780
nanancnate	tnntnncnnc	cnantnnnnt	tcanttcacn	ctctnnnnnn	tntancnat	840
tnncntcnnc	tnncnnttta	nnncntnnnn	nncaantnn	nnnnanctct	ncnnncnnt	900
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<210> 429
 <211> 775
 <212> DNA
 <213> Homo sapiens

<400> 429						
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gaaaagccca	agatgactac	aggatattag	tgcatgcacc	ccaccctect	ctcagtgtgg	180
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cattgtggca	ctgttgcccc	ccatggcggc	atgggcaaga	tgacctcca	ttagcttcaa	360
gtcttggtct	cttgtctgtg	gtctgtttta	tatgtgggtc	actagggtat	ttattctttc	420
tcccatcctt	acactctgga	tcattgtgca	gacttaatac	gggttttaac	gctttcattn	480
nnnnnnnnnt	ttttttgagc	tcaaagaaag	ttctcatttt	ccctattcaa	ctaataccca	540
tgccnggttt	tttaccttgg	atttaaaggc	accttangtt	ggggcaacag	attctcactc	600
atgtttaana	cctggnattc	ancttcataa	gaccaaagan	ggagctttcc	ctttctcttt	660
accctnagg	attctcatcc	tttacannnt	gactttttcc	aggccaattt	cccatnnaat	720
ctgcnanncc	cngccttttg	ncecaagctt	ttntgntngn	ccccccattt	accn	775

<210> 430
 <211> 763
 <212> DNA

<213> Homo sapiens

<400> 430

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tgaaaaatca	tccaagacag	ttattgcaag	agtttaattt	ttgaaaactg	gctactgctc	180
tgtgtttaca	gacgtgtgca	gttgtaggca	tgtagctaca	ggacattttt	aagggcccag	240
gatcgttttt	ttccaggggc	agcagaagag	aaaatgttgt	atatgtcttt	taccgggcac	300
attccccctg	cctaaatata	agggtgagg	tctgcacggg	acctattaga	gtattttcca	360
caatgatgat	gatttcagca	gggatgacgt	catcatcaca	ttcaggggcta	ttttttcccc	420
cacaaaccca	agggcagggg	ccactcttag	ctaaatccct	ccccgtgact	gcaatagaac	480
cctctgggga	gctcangaag	gggtgtgctg	agttctataa	tataagctgc	catatatattt	540
gtagacaagt	atggctcctc	cgtatctcct	cttcctagga	gaggagtgtg	aacaaggagc	600
ttagataaga	caccctttaa	acccattccc	ttttccagga	gacctaccct	tcacaggcac	660
agggtcccaa	atgagaagtc	tgctacctca	tttctcatct	ttttactaaa	ctcaaangca	720
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<210> 431

<211> 761

<212> DNA

<213> Homo sapiens

<400> 431

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cgaagcaatc	cttattatat	tggttaaaca	ggaaagatca	accagatggc	aacagcacca	180
gattctcaga	gattaaagct	attaagagaa	gtagctggta	ctagagtgtg	tgacgaacga	240
aaggaagaaa	gcatctcctt	aatgaaagaa	acagagggca	aacgggaaaa	aatcaatgag	300
ttgttaaaat	acattgaaga	gagattacat	actctagagg	aagaaaagga	agaactagct	360
cagtatcaga	agtggggata	aatgagacga	gccctggaat	ataccattta	caatcaggaa	420
cttaacgaga	ctcgtgccaa	acttgatgag	ctttctgcta	agcgagagac	tagtggagaa	480
aatccagac	aattaagaga	tgctcancag	gatgcaagag	ataaaatgga	ggatatcgaa	540
cgccaagtta	gagaattgaa	aacaaaaatt	tcagctatga	aagaagaaaa	agaacagctt	600
aatgctgaaa	gacaagaacn	gattaagcag	aggactaant	tggagcttaa	agcccaagat	660
ttacaagatg	aactaccggc	aatagtgaac	aaaggaaacc	gtttttttaa	agaaangccn	720
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<210> 432

<211> 748

<212> DNA

<213> Homo sapiens

<400> 432

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tcaatgagtt	aaagactgca	gaacaaatca	acgagcatgt	ttcaggcccc	tttgtgcagt	180
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gccacttcca	agaaagatcc	ttctgtaagg	ctctgacctc	caagaccaac	cgccgatttg	300
tgaagaagtt	tgtgaagaca	cagctcttct	cacttttcat	ccaggaagcc	gagaagagca	360
agaatcctcc	tgcaggctat	ttccaacaga	aaataacttg	atatgaggaa	cagaagaaac	420
agaagaaacc	aagggaaaaa	actgtgaaat	aagagctgtg	gtgaataaga	atgactagag	480

ctacacacca	tttctggact	tcagcccctg	ccagtgtggc	aggatcagca	aaactgtcag	540
cttccaaaat	ccatatcctc	actctgagtc	ttggtatcca	ggtatattgt	tcaaactggt	600
gtctgagatt	tggatccctg	gnattggatt	tcttaaggac	ttttggangg	ctcttgacac	660
catgcttcac	agaacttggg	cttcanaagc	ttcanttttt	tgcanagggtg	ccccagggtta	720
ggaaaacagt	tntncttggt	ttgtannt				748

<210> 433

<211> 769

<212> DNA

<213> Homo sapiens

<400> 433

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actcgcncca	canannnagt	gncttgngct	gtttttgcaga	tgaggaaaac	tgagggtacag	120
aattcttagg	gaacttaccc	aaaatggctt	ttctgcactc	tgccctttgg	tattgtccca	180
tgtgaattgt	ttaaaactta	tgtgtatagt	ggcatgagta	ggtgatttca	gaaacagAAC	240
tcacttttgt	tgtttgggtc	taaaattagg	aacttttctt	catctgggct	tcatttccct	300
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aagtccctga	gctgctctct	ccatggcaga	accacttctc	cccttactgg	aggggaggtc	480
cactgaacaa	atccaggaga	ggaatcattg	tgttttccac	agaagagaaa	gtacactgga	540
ctttctgtgc	aacctgttac	tacattttca	caganactca	tatttgtgca	ntgtaactca	600
atttgaaacc	cagcaaaatt	aggctcccgt	gtctccataa	aaggccacca	tgatggtaac	660
cgttggactt	caccttgtgt	ttnggacana	ngctgattgg	attttaccca	tcatcacanc	720
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<210> 434

<211> 764

<212> DNA

<213> Homo sapiens

<400> 434

ctanccttcc	taaannctng	gctactcgnt	ctttctnnan	ganncnntg	cgatncgaat	60
tcggcacgag	caccttgcct	ggccaagggg	ctagacctcc	caggctaagc	ctcagattca	120
gtgcaggaca	caagctcatg	cccccgctct	gccagtgaca	cttgaagcct	cccgacttcc	180
acagagtgtc	tcaggacaca	ttttgagtgg	tattttcttt	tctttttttc	ttcttttttt	240
tttttgagat	ggagtctcgt	tctgttgccc	aggctggagt	gcagtggcct	gatctcggct	300
cactgcaacc	tctgcctccc	aggttcaagc	gattcttctg	cctcagcctc	cagagtagct	360
gggactatag	acatgcacca	ccacgcccgg	ctaattttgt	atttttggtc	gagacggggg	420
tttgccatgt	tagtcangct	ggtcttgaac	tnctgacctc	aagtgatcca	ccactcggcc	480
tccaaagtgt	tgagatgaca	ggcacgagcc	accagcccaa	cctgagtggg	attttcttta	540
gggaccangt	agactttaaa	acgagggtaa	gagaaaaagc	ccagtgggtc	tttctgangg	600
taaataaatt	tctgcccagg	aaacnttncc	aagccccaac	cagcaagcca	acccttaaaa	660
aaaaaatcac	ttcgtgttcc	ccaangggan	ctttnttaaa	gctttggggg	cttccaggna	720
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<210> 435

<211> 755

<212> DNA

<213> Homo sapiens

<400> 435

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tncagatncc	ntcgattcga	attcggcacg	agggatcctt	tccagacaga	agaccccttc	120
aatcttgacc	catttaaagg	agctgacccc	ttcaaaggcg	acccgttcca	gaatgacccc	180
tttgcagaac	agcagacaac	ttcaacagat	ccatttggag	gggacccttt	caaagaaagt	240
gacccattcc	gtggctctgc	cactgacgac	ttcttcaaga	aacagacaaa	gaatgaccca	300
tttacctcgg	atccattcac	gaaaaaccct	tccttacctt	cgaagctcga	cccctttgaa	360
tccagtgate	ccttttcatc	ctccagtgtc	tcctcaaaag	gatcagatcc	ctttggaacc	420
ttagatccct	tcggaagtgg	gtccttcaat	agtgtctgaag	gctttgcca	cttcagccag	480
atgtccaagg	gtgcctgggg	aagagccact	gcgcagtgtta	tctttgggtg	tactccagtg	540
ttgaacanag	agctgggtcag	aggcagtgc	tcgcanagag	acattaataa	gggaatcctt	600
tgaatcccta	ancagcanca	gcttttctga	nggggccnat	gatgccagt	acctnttcan	660
ggnaagtctg	ggacattggg	accaccctgg	ggggaagaac	ttgtgggatg	tggcttttct	720
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<210> 436

<211> 760

<212> DNA

<213> Homo sapiens

<400> 436

aaggctgggn	nnngnnntgc	nnnncttct	attantctgg	gggctcgtnc	tctctcnann	60
nagnnaggcg	ntgngaattc	ggcacgagct	caagaaaagg	agaaagtgtt	tttgtatgaa	120
attggaggaa	atattgggga	acgctgcctt	gatgatgaca	cttacatgaa	ggatttatat	180
cagcttaacc	caaagtctga	gtgggttata	aagtcaaagc	cattgtagaa	gacttaacaa	240
gctgcagata	accatgtgga	cttctgtcat	aattcttgc	gagtcaagag	tgtaaataaa	300
agaaatggca	ggactcatat	tattcagttg	tccaagtat	ttaaaaatga	ctctcttaag	360
ccttaaaaag	tcatagattt	gtgctgctgc	cagaattata	ttaattatta	ttaatggtat	420
tattagaaaa	aaaatttctg	gagtgagagt	naagangctt	aattagtttg	tgggcagttt	480
tcatatgctc	tgtgaaatgt	gtccagatgt	gacataagtt	ttttttttta	atatggngga	540
aatgncttct	ctttccattt	cttttctcct	aaaaatcata	tatactggga	atatatgcct	600
ctnttacctc	tattaccctc	ctcacattta	ccctttccca	gttnggtttt	gctttttnac	660
caaaaagatt	ccaatnccna	ggtattggca	agttntnaaa	accgccntt	aaacatccct	720
aatttcncag	nattccnnnc	ttgccaaatn	ttngtntcnn			760

<210> 437

<211> 748

<212> DNA

<213> Homo sapiens

<400> 437

ggnnnnngnn	ngntnncgtt	ccctattant	caggngctcg	ntctntctcn	annnancnng	60
gcgtgtncga	attcggcacg	aggatttttc	aaactcttca	gctacttgcc	ctttttttatc	120
tgaaccatc	ataccttctg	aaagaaaaaa	gcatactctc	attgacataa	cagaagtggag	180
atggcccagt	cttgatacag	atgggtccatg	atatatatgg	agagtggcat	tgtgaagata	240
acatcttttag	atgggtcatgc	atacctctgc	ctgcccagat	ctcagcatga	atttacagta	300
cattttttgt	gtaaagttag	ccagaagtca	gactcatctg	cagtgttgct	agaaacaaat	360
aataaagccc	caaaagataa	actagttgaa	aaaactggca	aaatctgtat	acgtggaaat	420
ttaccaggac	agagactgaa	gaataaagaa	aatgagtttc	attgccagat	catgaaatcc	480

aaagaaactt	taaagaagat	gagttgtgta	aatggaactg	aagggagggg	aagaactgcc	540
ttcgctgggt	acaaagcaca	catgtgtata	cacatgggtc	aagcagtgtc	ggtctgtggc	600
tgnctgtcca	gangaatgga	aatatccttg	gcttttagcac	ttcattttca	taataaaaac	660
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tcgtattacg	tagatncnna	catgataa				748

<210> 438
 <211> 823
 <212> DNA
 <213> Homo sapiens

<400> 438						
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tagctgagac	taccacacac	ttgggtcccag	ctacttgagg	ggctgaggtg	ggaaaatcac	120
tttgcccagg	aattcaaggc	cgcagtgagc	tatgattgca	ccactgcact	ccaggcaaca	180
gagtgagacc	ctgtcttaaa	aaaagaaggg	agaaagtgtc	agatggtgat	gaggtctggg	240
ggggaaatag	agaatgggga	tcaggagtgt	ggatggtggg	attccctcac	caagaggtga	300
catgttgagc	agggaaacttg	ggaggtgagg	gtgtgacccg	tgtggaaatc	agggaaaagc	360
attncagcct	gagggacagc	caatgcanag	gccgtgaggt	ggccagtgcc	actgagcagt	420
gagcttgagg	taggggggcan	gtgangaggc	tggagagcgg	ggtcagacaa	accaatatgc	480
ttatttaaaa	caaggttggt	ncagcaccct	tgccttaaa	ccttgagcct	gnaancntga	540
aaaatttggg	cacnttcaaa	agcanggang	gaaacaaaaa	gaagattggg	agggaaaagc	600
ccttncttcc	ccttancagg	aaatgaagtt	nccacccttn	aaaacaggnc	caggaccttt	660
ttgggaccct	tttggccttt	tggttcctta	gaatcctctt	ggtngcttnn	gaatnaaaaag	720
gnaaaagggg	cctttaaggg	gggatcccat	tntttccaaa	attcaaaggg	ggctttccct	780
gggcttacc	aaaatttctt	ggncttaant	aaaaaaattt	ntt		823

<210> 439
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 439						
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ttctncangn	agccnngcga	ttcgtctgtc	tgggtgatttt	tatttttaagt	gaacctttgg	120
atctatcttt	aactctcttt	attgtgagtc	taaattccaa	ttctgcagca	gatcagtaaa	180
ctcacagtat	ttttcctgtg	gaaatctatt	caataaggaa	accaagacag	gatantaaaa	240
tttaaaaaaa	ancaactttg	aattcccctg	cctaggtctt	ccagttgttt	tccagcgcct	300
acctcaggta	tgacttttgc	agccgggggac	aaaatttagca	ccttcgcgatt	ctctagtcca	360
aatgaacttt	ggctaaataa	aaaattatta	tactacataa	taaagttnca	gatagcagga	420
aatgcaagag	ctaggagatt	cctagattat	atctggccaa	gccaaatacc	ttaaacatcc	480
acctggaaat	cctctacccc	ctcttctgag	ataattttgc	cagccctttc	ttcccacaca	540
ctcactcaat	gtcaccccct	tctaataccc	aaaactgttt	ttgtggcctt	ggtagcctat	600
agtagtttct	cacatctttt	cccctanact	tttctgtttt	cagttttcaga	ccaaaaaaac	660
tcttcaactt	ttttccagtg	gggtcttcct	taccagtaac	tttaccactt	gnaatcttat	720
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<210> 440
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 440

nagnnnnntt	tctaagtctt	ggnnnnnnnn	tcnatgcttc	caaaagcngg	gngctcgttc	60
tttctccaag	atncnngcgn	tnogaattcg	gcacgaggat	ggatgagact	gttgctgagt	120
tcatacaagag	gaccatcttg	aaaatcccca	tgaatgaact	gacaacaatc	ctgaaggcct	180
gggatttttt	gtctgaaaat	caactgcaga	ctgtaaaattt	ccgacagaga	aaggaatctg	240
tagttcagca	cttgatccat	ctgtgtgagg	aaaagcgtgc	aagtatcagt	gatgctgccc	300
tgtagacat	catttatatg	caattcatca	gcaccagaaa	gtttgggatg	tttttcagat	360
gagtaaagga	ccaggtgaag	atgttgacct	ttttgatatg	aaacaattta	aaaatcgttc	420
aagaaaattc	ttcagagagc	attaaaaaat	gtgacagtca	gcttcagaga	aactgaggag	480
aatgcagtct	ggattcgaat	tcctggggaa	cacagtacac	aaagccaaac	cagtacaaac	540
ctcctacgtg	gtgtctactc	ccagactncg	tacgccttca	cgtntcctn	catgctgang	600
cgcaatacac	cgcttcttgg	gtcangaatt	agaagctact	gggaaaatct	accttccgac	660
agaagagatc	attttagatn	taccgaatga	anaaagcttg	cattagtgc	attgaaaggg	720
aaataaaaaat	tcctacagtc	naaaaaaaaa	at			752

<210> 441

<211> 775

<212> DNA

<213> Homo sapiens

<400> 441

gnagccngat	tccaaaacct	gggnnccgat	ccaatgcttn	ccaattactt	gggagctcnn	60
actngcncna	ncaanctngc	cntgcgaatt	cggcacgaga	agnaggcgga	gcttgcaagt	120
agctgagatc	gcgccactgc	actccagcct	gggcaacaga	gtgagactct	gtctcaaaaa	180
aaaaaaaaaa	aatggaacg	cagggaaga	actcgtnttt	ggaaggagat	gggggaaagg	240
ancggtatta	tacctatgtt	gnatttgcag	gcaaatgaga	tgganccctc	tctgtaaaga	300
agagtcattt	gtgcaagtag	acggggctctg	tgggtgcang	ccctggaggg	gcacacaatt	360
gcctgnangc	ttctgtgana	tcgggagang	gaggagaagc	agtctcttga	caaaataaag	420
tattttttatt	cattngtatt	tattaaatga	aaaaacaatc	ccatgggtgtc	ccttgtgtgt	480
ggtggaacct	aatgactgtt	gaaataaagt	ctgngttttc	ccttcaaaaa	aaaaacnenn	540
anaanaaaaa	ctcgagccct	ntaaaacctn	tngngagtcc	gnattacctn	anatccenga	600
cnttgataag	gateccattga	tnaantttgn	cccaacccca	actnngaagt	ccnngaataa	660
aaattgcttt	atttgggaaa	tttgcnatn	ctttgcttta	ntttgnacce	antttanent	720
cannnnccaa	gttacnancn	ncaattgcnt	tcatttangg	ttcaagggtc	aagg	775

<210> 442

<211> 804

<212> DNA

<213> Homo sapiens

<400> 442

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atctcnaann	aaaangcttn	cgaattcggc	acgaggccac	ctgcactgag	gtctgggccc	120
ggggacaggg	tgcttttagcc	aggettgtct	gcgcctcagg	gaagggtgag	cagcccaggg	180
accagatgca	agttggtggg	cccctccacc	cntccnacgc	cactccccag	tgtgctgggt	240
cctaaccagt	cgtcctatgg	gagcagtcag	ccttcctctc	ctcctcaggg	cagctctccc	300
acctgctgnt	ccccgcacac	agaacctcat	tgctctgagc	agttgcttat	taccagttg	360
ttgaaaaact	agcatgtgan	ggccggggcg	ggtggctcac	gcctgtaatc	ccaacgcttt	420
gggangccaa	ngcgggtgga	tcatgangtc	aggagatcaa	gaccatcctg	gcttaacacn	480
gtgaaacctt	gtctctacta	aaaatataaa	aaagtancca	ggcgtgggtg	tggcccctgt	540
agtnccaann	tacttgggaa	gctnangcan	gaanaatggc	ntgaacccaa	gaaggaagaa	600

cnttgcantg	aanccttaaaa	ttgcgcccac	tggaatttca	aaccttgggc	cnanaanaat	660
tgaagaatcc	cgtcttaaga	aaaaaggaaa	aaantttnc	ntntnaaag	gcccggccac	720
aantnggctt	taacgccttg	gtaaatnccc	aancactttt	tggggaaggc	ccaaaggcaa	780
ggcnggatt	caatttttna	aggg				804

<210> 443
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 443

gnagccggat	cttattattg	gcnncgnttt	aatgctggct	aatntntcgt	aatncttggt	60
nnccccaann	annnaggngg	ggngaattcg	gcacgagcac	cattttttatt	ttgatgctta	120
cactcattta	ttctgttttt	gtaaaacagt	ttcaagaatt	taaaaatcct	tccagttaat	180
agagcttttg	ttattatatt	ataattttgt	aaaccacatt	tgtttttccc	actttaaaagc	240
cacagggctg	actcatggat	gatacctcta	ttgctgctgc	atgatgttca	agaccggccc	300
ttggctgttg	ttacagagat	gttgggcaga	gctatgcagg	tgtttcattg	ngaactctag	360
ctttgatcat	ggtaaaaagt	taaccctttc	tattttttta	tggatgttat	accaactatt	420
cagaggactc	atacttcaaa	aatattagga	aaatctgtct	tatagttctc	taataaatat	480
ctgaaatctc	aagtacgaca	tgaaagaatg	tcagaccatt	gntattgggtg	aaagtcattt	540
gatgaatggn	aaattctatg	aaaagtaagt	ggatttgcac	ggattaatat	cagggaaaat	600
ttaagccttc	ccaagtgtga	ctggggccaaa	gagagccaga	tgcccccagt	gcctgtgccc	660
ataaagtccc	cgaatcccc	aatgggggtct	nttttcaaaa	acttggncca	gacccggaaa	720
ataaaancat	tcntcataaa	ttcaannngg	gncctcanga	aacacnttcc	cccancaacc	780
cttngg						786

<210> 444
 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 444

gnagnccggt	tcnnangcnt	nggctnnatc	caatgctggc	taaagttcna	ananctggca	60
acnccaggan	ncangcgttg	cgaattcggc	acgaggagga	attacaggta	gcaaattatg	120
gagttggagg	acagtatgaa	ccccattttg	actttgcacg	gaaagatgag	ccagatgctt	180
tcaaagagct	ggggacagga	aatagaattg	ctacatggct	gttttnatatg	agtgatgtgt	240
ctgcaggagg	agccactgtt	tttctctgaag	ttggagctag	tgttttgccc	aaaaaaggaa	300
ctgctgtttt	ctggtataat	ctgttgccag	tgggagaagg	agattatagt	acacggcatg	360
cagcctgtcc	agtgtctagt	gcaacaaatg	ggtatccaat	aaatggctcc	atgaacgtgg	420
acaagaattc	gaagaccttg	tacgttgtca	gaattggaat	gacaaacagg	cttccctttt	480
tctcctatng	gtgnactctt	atgtgctgat	atnccatttc	ctagtcttaa	ctttcaggag	540
tttacaatng	ctaacactnc	atgatngatt	cantcatgaa	cctcatccat	gttcatctgn	600
ggcaattgct	taccttgggg	gntcttttaa	aaagtaccac	gaaatcatca	tattgcatta	660
aaacccttaa	aagttctggg	gggnatcaca	gaagacaagg	ccnaanttna	aagnggagga	720
attttattat	ttaaaagaac	cttttgggtn	ggatnaaaan			760

<210> 445
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 445

tggtgccggt	tcttantctg	ngctctcgtc	ttcctttctta	tacctgggca	ncncttggcg	60
gccccnaggn	tcccangnag	ccnngcngng	ncngattcgg	cacgagattc	caaagggttc	120
aaagaacttg	gtcataaata	tgataatgag	aagacaaagt	atztatatta	aaacagttta	180
gtagccttca	gttttgtgaa	aatagttttc	agcacagaaa	ctgacttctt	tagacaaagt	240
tttaaccaat	gatgggtgtt	gcttctagga	tatacacttt	aaaagaactc	actgtcccag	300
tggtgggtcat	tgatggcctt	tagtaaattg	gagctgctta	atcatattga	tatctaattt	360
cttttaacca	caatgaattg	tccttaatta	ccaacagtga	agcactacag	gaggcaactg	420
tggcattgct	tccttaacca	gctcatgggt	tgtgaatgtt	ataaaattgt	cactcagata	480
tatttttttaa	atgtaatgtt	atataagatg	atcatgtgat	gtgtccaaac	tatggtgaaa	540
agtgccagtg	gtagtaactg	tgtaaagttt	ctaattcaca	acnttaattc	ctttaaaatn	600
cacanccttc	tgctctgna	tttggaagtt	gtcagtncaa	ctcatcaaag	aaaactgcct	660
aatntnaaaa	tcatatnttg	ggaataattt	ccctcttttg	tagtctgccc	aagatcctta	720
aagattggat	ttttattact	atttaaacca	gtggattaat	n		761

<210> 446

<211> 770

<212> DNA

<213> Homo sapiens

<400> 446

tgggnnnngnn	ccnaangcng	gggannnggt	ccccgttcca	anactggaan	ncttggcann	60
cgaactcgct	cnannagnaa	ggccgggnga	attcggcacg	aggccccgct	ccatgagcag	120
tgactcccca	gctcctcctg	gcaccagtcc	ccagggtctt	cctggttggt	gttcctgctt	180
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accatcagtc	ctctgctcac	ctgagacaaa	tgcattgtctg	attgcttctt	ctgccctatt	360
ggntatgtga	aatgcagat	tcactgagcc	agactaaggc	atcagtgact	ggtcctctac	420
ctgcctctca	catggagatt	gggtattcag	tgaaaggctg	atcaaagacc	caaaggaatg	480
caacagttta	tctcttatct	acctatgacc	tgcganctgc	caccaccccc	agntggngcg	540
cctttccaga	cagaaccagt	gtacatctta	cacgtattaa	atngatgtcc	cnggggctcc	600
cnaanangna	tcaaacaagc	ngggcctcga	ccaccttggg	cacatatccc	nanggacatc	660
annctggagg	ctngngncac	tggcattggc	cctnaccctn	ggcaaaaataa	accttctaaa	720
attggnaaaa	aanaaanaa	aaaaacctng	nncctntna	naacnntacg		770

<210> 447

<211> 757

<212> DNA

<213> Homo sapiens

<400> 447

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gctctttccg	nangatccca	tcgattcggt	ctgatgcagg	agaattgcta	aaaccagga	120
gggagagggt	ncattgagcc	gagattgcgc	cactgcactc	tagcctgggc	gacagagcaa	180
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ttcataaaca	ggtactgaag	gaagcagagg	catgtggagg	acttccccac	ctcgtgcagc	300
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agtgaactgc	agtcattctg	ttaggccttt	ccatggccca	cgtcaatgcc	ggtatttctg	420
tttggtgcac	atttgatttc	cttggtgttg	gcatttagaa	ggccccccgt	ttcccagatc	480
acaccacggg	catggaccac	agagattgca	tcttgtagag	ctgtagaaat	ggtcaaggcc	540
ttgtcctctc	ttaagtccag	agctcangtt	aatgcaaaa	tttnccggnc	atctgtgctg	600

aaatcccttt	ggggaagctc	ctggctgggt	tctgttaggt	aggacagcta	cacgtnctgc	660
cctttattgg	cttcttttca	tgaagctcct	gccatntacn	aaacatgtct	cccttcttga	720
atcacatctc	tggtattgna	actctanaat	cgccccgg			757

<210> 448
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 448						
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atcttaccga	gtggaacctc	agaaattaaa	ttctccagaa	gaaactgctt	ttcagacacc	180
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ttcaaaaatta	tctacacctg	atgtttgtgag	cccatttggg	accccatctg	gctctagtgt	300
aatgaatcgg	atggctggaa	tttttgatgt	aaacacctgc	tatgggtcac	cgcaaagtcc	360
tcagctaata	agaagggggc	caagattgtg	gacatcagct	tctgatcagc	aaatgactga	420
atcttctaag	ccttctccat	ctacctctat	tagtgctgag	ggtaagacaa	tgagacaacc	480
cagtgtgatt	tattcatgga	ttcagaataa	acgtgaacag	attaagaatt	tcttgtcaaa	540
acgggtgctg	ataatgtatt	ttttcagtaa	gcaccacagc	gcctncattc	aggtgttttt	600
ttcagatgcc	caaatgcata	tttgggcatt	agaaaggtct	gtcgacttta	gtagcagcat	660
cattttacag	aggatagatt	tggagttgtc	cagacgacac	taccagctat	ccttaatact	720
ttgttgacac	ttgcaagang	cagtengaca	agtactttaa	cttcctcatg		770

<210> 449
 <211> 792
 <212> DNA
 <213> Homo sapiens

<400> 449						
ngagaaangt	ttctaagctc	ggnnnnngna	gntcancctt	tctaagtttc	taataacttg	60
ganntcgaac	tntcncnaca	cagnnangen	ntgcgaattc	ggcacgaggn	cnnctcnatn	120
atnacttgnt	cncancggnc	tggcatcnac	ncgncacacc	tacntnagcg	cnttgtagcg	180
caatatncac	ctnntnaaac	ccnnnagtcc	cagggctctg	ccnnnnnact	gntcaactga	240
cnaacnacnn	nctancncaa	cntnnnnnta	ngccnctgnc	tgncctctatg	gcacctnncc	300
tncctcncnc	cntnaccenc	tacgctcagg	gctatataca	atgggaacct	tnccaacagt	360
aanccttgga	tctnaggnat	ggcctttgnc	tggcggatca	cagccttnna	gcntatcagn	420
atcttgagga	agacaccatt	ccgtcccnga	ttntgaccaa	ncnctcggat	gtgnctatgg	480
gctcnattga	ggnaacaaca	ctnnnactgc	nnataggcca	tcctcnnnan	nctacacatg	540
ngactttncn	nnncatntna	aatgnnnana	tgtctctcnc	aagcatcacc	cnctgtccct	600
ncgnctcct	ggaagacctt	ctgnncaact	ganctccttc	ntgnnncenn	ngattnttnc	660
nnncnnaata	tnctncccc	aatgnccttg	tnnngnatat	atnangggnt	ttccaatttg	720
ggntaattca	ntnccccccg	nannctannn	ncccatnaac	cntcngngcc	ttcttgnaac	780
cttttnccct	gg					792

<210> 450
 <211> 848
 <212> DNA
 <213> Homo sapiens

<400> 450

gnatgncccg	atttccttaa	tgatggggnn	nnnnngagcg	anncttccga	aanttccaat	60
annctgggng	ntcgcaactc	netcnanaca	gnaaggncgn	gggctttgct	ctctccattc	120
caagttgntc	tctgttctag	aaagcagatg	tagtagacat	ctactgttgt	tgcttgaaca	180
gaatecccttt	gtcctttttt	tgntaaaagt	actcatccct	aatattcatt	gtncctggaag	240
gactgaaaat	acagaactca	caccatgatc	ggccgggaca	atcagattat	ttcattccnc	300
agcaaacgga	gatcganccg	aaaagtggaa	anatgagcnc	ttctttggng	ttggcatatg	360
gaccctgaga	gaaagaactn	tnattntttc	tcttggactg	caataaagta	tagctgccta	420
aaatacgntt	cctgacactt	ggaggnttgt	ccacaatcgg	ngaaataaag	gcgagaccgn	480
acactggatg	aaaaaaanaa	gnnnccngnn	gaanaccac	tnnnccannn	nccnnnccnn	540
tnnccannng	nngancennn	tanccgnnan	nagggcnnng	cnntngcenn	nnngccnnnn	600
nnnnnnnggn	aaaccennnn	gnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnggnnctnn	nnnnnnnnnn	ccnnnnnnnn	cnnnnnnnnn	nggnaanncc	nnnnnnnnnn	720
annnnngggn	nnnnnnnnnn	ccnnnnnnnn	cnnnnnnnnn	cnnnnngggn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	acnnnnnggn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnncccc						848

<210> 451
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 451						
gnnnnnnnntt	tcctaaatgc	ttgggnnnnn	nnngagnngn	nttncnnagt	ttcctaanta	60
gcttnggcna	ctcgttctnt	ctncangcag	nnntgcgtn	gncgaattcg	gcacgagcat	120
tcctcctttg	ttaacgaagc	aacatttaca	caagatggac	attacattat	tagtgcaccc	180
tctgatggca	ctgtaaagat	ctggaatatg	aagaccacag	aatgttcaaa	tacctttaaa	240
tccttgggca	gcaccgcagg	gacagatatt	accgtcaaca	gtgtgattct	acttcctaaa	300
aaccctgagc	actttgtggt	gtgcaacaga	tcaaacacgg	tggatcatcat	gaacatgcag	360
gggcagattg	cagaagcttc	agttctggta	aaagagaagg	tggggacttt	gtttgctgtg	420
ccctctctcc	cgtggtgaat	ggatctactg	tgtaggggag	gactttgtgc	tctactgggt	480
cagtcagtca	ctggcaaact	ggagagaact	ttgacagtgc	acganaagga	tgtgattggt	540
attgcacatc	accctcatca	gaacctgatt	gctcctacag	tgaagatgga	ctcctaaagc	600
tctggaacc	ataattcaac	ttttcttttt	taaatcaact	cgaaagcatg	tncttaaagt	660
aacatattca	tgtaangggc	tttttttttt	tgncactttt	ctaagcaaata	agatggctga	720
attagtcacn	gaataaat	gngaaaatca	tggttaaatn	ccaac		765

<210> 452
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 452						
nnnnnnnnnn	ntttcctaaa	tgcttggggg	nnnnnnnggn	nnnnnttctn	atgttcctan	60
ngcnnnggng	ctcgttctnt	ctncacgnng	ccngtgcggt	gncggtctga	ttgaaagctg	120
ttcaggttta	tcatgcaaata	cctcgcctct	ggctacggct	ggctgaatgc	tgcatgtctg	180
ccaataaggg	gacttctgaa	caagaaacta	aaggccttcc	cagcaaaaaa	ggaattgtnc	240
agtctattgt	tggtcaagct	atcatcgtaa	aatagttttg	gcacacagct	ctatacagaa	300
tactgtttat	aatgatgggc	agtcttcggc	cattcctgta	ccagtatgga	gtttgcagcc	360
atatgtctca	gaaatgcctt	gttgctgctc	ctgaagaaca	gcaagatcca	aagcaggaaa	420
atggggctaa	aaatagtaat	caattaggtg	ggaacacaga	gagcagcaaa	gcagtgaaac	480
ttgcagcagt	naaagccatg	atggagatna	attcattcca	gcttcacctt	cttctccatt	540

gagaaaacag	gaattagaaa	acttaaagt	ctccatactt	gcttgcagtg	cctacgtggc	600
tctggctttt	gggtgatacc	tcatggcttt	gaatcatgcn	gatnaacttc	ttcagcagcc	660
caagctgcag	gatctcttaa	gttttgggac	atztatatgc	tgcagaaccc	ttatcttctt	720
cgacngaatt	tctgtgcctt	tctcacttga	ccccgagaat	gtncct		765

<210> 453
 <211> 833
 <212> DNA
 <213> Homo sapiens

<400> 453						
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ntgcgattcg	aattcggcac	gagagaaacg	ttctcagggt	gaccagctgc	tgaatatattc	120
tttaagggag	gaagaactta	gtaagtcatt	gcagtgcag	gataacaatc	ttctgcaagc	180
ccgtgcagcc	cttcagacag	cttatgtgga	agtcaagagg	ctacttatgc	tcaagcagca	240
gatactatgg	agatgaatgc	actgaggacc	catagaatac	agattctaca	ggggattaca	300
agaaacatat	gaaccttctt	gagcacccca	ggttttggca	ttagaaaatg	ggtaccctt	360
ggttcaaaaa	tgaacaaaga	aagccttaga	tttggatggg	ggaacctgat	ctgtccagtc	420
tagaaggatt	ccagtgggga	aagtgtttcc	atttccttng	tcccctggct	tggccaagga	480
aagcgaaagc	cctttcttga	anagcaaccg	tggatcattn	gaccaggaac	ttccttcttg	540
ggtattaagc	ttctttcaan	tggaaggga	aggttccang	gccaaggga	aaatggaagc	600
cccccaaccng	atgggtttca	ccctaantaa	cctcaattgg	aagggttgg	accaagaacc	660
cnggaaaggc	nanccattgc	acccttaaaa	ncaaggaaag	tggaccacct	ttggggcttg	720
ncnttcntt	ccgaaccagg	ttgaaaangg	gcttgaaaaa	tggttgctta	cccaaaaggg	780
cgnacnttaa	tggcaccaat	tattcctntg	gaccnttttt	aatanccttt	ngn	833

<210> 454
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 454						
gnggnnnntt	ctaagttcct	aatnctgggc	tactngttct	ttctgcaggn	atcccatcga	60
ttcggcaaaa	tcaatgtgga	ctgaacataa	atcacctgat	ggaaggactt	actactacaa	120
cactgaaacc	aaacagtcta	cctgggagaa	accagatgat	cttaaaacac	ctgctgagca	180
actcttatct	aaatgccctt	ggaaggaatn	caaatacagat	tctggaagcc	ttactattat	240
aattctcaaa	acaaaagaat	ctcgtctggg	ccaacctaaa	gaacttgagg	atcttgaagc	300
aatgatcaaa	gcttgaagaa	agcagtaagc	aagaagagtg	caccacaaca	tcaacagccc	360
cagtccttac	aacagaaatt	ccgaccacaa	tgagcaccat	ggctgctgcc	cgaagcagca	420
gctgctgttg	ttgcagcagc	agcagcggca	gcagcagcag	cagctgcagc	caatgctaata	480
gcttccactt	ctgcttctaa	tactgtcagt	ggaactgttc	cagttgttcc	tgacctgaag	540
ttacttccat	tgggtgctact	gntgtagata	atgagaatac	agtaactatt	tcaactgagg	600
aacaagcaca	acttactagt	acccttgcta	ttcaggatca	aagtgtggaa	agtatncagt	660
aatctggaga	agaaacatnt	taaccaggaa	actgtanctg	atcttacttc	caaaaaagaa	720
gaagaggaga	gccacct					737

<210> 455
 <211> 718
 <212> DNA
 <213> Homo sapiens

<400> 455

ggnnnnnnntt	tnnnnngttn	cntaaaaann	tgggctactc	gttctttctn	cangnagccc	60
ntgcatncg	aattcggcac	gaggatgagg	agtgtttaat	cattgataca	gaatgtaaaa	120
ataatagtga	tggaaagaca	gctgttgtgg	gttctaactt	aagttccaga	ccagctagtc	180
caaattcttc	ctcaggacag	gcttctgtag	gaaaccagac	taatactgct	tgtagtcctg	240
aagagtcattg	tgttttaaaa	aaacctatca	aacgagtata	taaaaaattg	atccagttgg	300
agagatttta	aaaatgcagg	atgagctctt	aaagccaatt	tccagaaaag	taccagaatt	360
gcccttaatg	aatttagaaa	attctaaaca	gccttctgtt	tctgagcaat	tgtctgggtc	420
ttcagactcc	tctagttggc	ccgaaatctg	gatggccttc	tgcatttcag	aagccaaaag	480
gacgattgcc	atatgaactt	caggactatg	ttgaagatac	atcggaatac	ctagctcctc	540
aggaaggaaa	ttttgggttat	aagttattta	gcctgcaaga	cctgtttgtc	tcgtcgtctg	600
agtgtncaga	ggatagagnc	agaccacgtt	ctaaaacnga	gaaatcagaa	gacatttnca	660
gttatgtctc	caaaagtgag	tntcagctgt	atgagttgac	tctgctgaaa	gtgacttg	718

<210> 456

<211> 739

<212> DNA

<213> Homo sapiens

<400> 456

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ttcgcttggg	aggctgagtc	aggagaaatt	gcttgagccc	aggagatgga	ggttgcagtg	120
agccaagatc	atgccactgc	actccagact	gggcaacaga	gggagactcc	gtctcaaaaa	180
ctaaaaaaaa	aatnccattt	agtataccgg	ggggtggggg	ggagaaataa	tgttatttcc	240
tatgcgaaat	gacgtgtatc	cctgtaccca	tgggtaaatg	taaatatact	gtgtctcttt	300
tgggagagcc	tttttagtaga	ggagtcttat	atgaagtctc	tcataagtag	ttcacttgag	360
ttttgcagtt	tgaaatctta	aaggagcttt	aattgacatt	tattatacca	attaagcttg	420
gaatggggca	atggatgcat	ttccaaaacg	tgtgaaagcc	taacagctta	tattgctgaa	480
tgagaatctc	ctgggtgtaa	tttancactt	agggaaactgc	gtgaacactc	ccagccatta	540
tgatgctggg	accagcttta	ntgtntaaat	gccatganta	ttctttctgn	tctgttttgt	600
gctctcttgg	tncattttatt	ttacccttta	cngaataatt	tcttgtaaaa	tcnntaaaaa	660
tntttggcat	ttaaaagtcc	nntcttggan	tnaanann	nnnaaaaaa	ancctncccc	720
tttanaactt	tnnggggct					739

<210> 457

<211> 743

<212> DNA

<213> Homo sapiens

<400> 457

gtgnnntnnt	tctnnngttt	ccaattantc	tggngctcg	ttctttctcn	anncnnnan	60
tggttgncga	attcggcacg	aggnnanagg	gnagctacat	gnntnaccent	nttngnnctc	120
tcagccangc	tcnnctnnnn	ctggctctac	tgctacatag	aacacttggt	ntncnnggna	180
actnntntat	gtnnccnnga	ntctctgnna	ctngttttaa	tgctanttga	taacaggcta	240
tgcaaggnc	gnaagtggan	agcgtcatca	ttcatcatnc	ntnttanctn	gantnnntgt	300
atcctacatg	ctttgattgg	taaatgngcn	tcagactggg	actctcaata	aatgnatata	360
gangancttg	ctgtggaaan	ctgtcctctc	ntatctntnc	atgngnaant	tccactncag	420
tntgaactcc	aatgcnnntn	atnggnganc	cctncttgta	tagtgggtgc	cattccaanc	480
tgcnagggnc	tagaaaccgt	cggctntngg	aaacnatggg	gnnagttgan	ctgggtacang	540
cngttntcac	ctgcanctac	cataaaatgg	gnttacccaa	gctttatcat	ggaatggnta	600
taaaaaacgc	attnattgng	cctttntaan	cccattatnt	gttnaattn	acttatgggt	660

ccccccattn aaattatnca attgggnann gangcttcna gtcnccatnt ttnaatggnn	720
ttnncaaaaa aacgnnttttt ttt	743

<210> 458
 <211> 906
 <212> DNA
 <213> Homo sapiens

<400> 458						
gnngnnnnnn	nttnctaata	cttgggnncn	cgtttctann	nnnnnnnnnaa	nntttcctaa	60
ttgggttaggn	gctcgnnctn	tctccacnna	gnnnngcggt	gcgaattcgg	cacgaggctg	120
aatcaaggat	cacaaactnc	acatttngca	cnttgggtctn	cacatnctng	gttngggcag	180
tencagtnaa	catggctntg	gaaactnatn	ttngnctngc	ntcaaccatc	tcgttcccng	240
gggacccann	ntccnnnatc	ncgnnttncc	tcgnnnatng	gagngctnct	tngnccannn	300
atgggctccc	nanaatangn	ntnnnnnngn	nnatncannc	ncngncaann	ggntcnnct	360
nnnnnnngccc	tnntnccctna	tggnnngctn	catgncccat	nnnnnnnggn	ancaataann	420
naaanggtct	nttcccncga	nncccnnnnn	ccnctaacan	ngnacctcgc	aaagggcccc	480
aggcnttnnc	tngnaaacca	nnttngccaa	nggtanttca	aaggngcct	tngggacctc	540
ccnannnnngc	cntggnnnta	ccccgggnaa	anggtngnaa	accnncnncn	ngntgccnnn	600
cccggncnng	gaaanaaatt	tccnnggnac	ccagnntncc	nccgnaannn	anantannnc	660
ccancccnnaa	cnttnggcc	ncanccnttn	gnnnntgnan	tcnncnnncc	ctttnnnnntn	720
nccaanncgg	ccnggnnacn	nncttnnacc	tnnttncnnc	naanngacnc	caanntcctn	780
nannaaaggg	nggnnnnnnn	nnncttncc	nnnggnagcc	cnnnnnnccct	nnctnnncnn	840
aaaaattcnn	cnntgnannc	cccctnnnnt	nangngnccc	natnnnnnnnn	nnngnaaanc	900
nnaccc						906

<210> 459
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 459						
gnngnnnnngg	nttcctaang	ctgggggnccg	ntctnnnnnn	nnnnnnnnngt	tcctaaanac	60
ctaggngctc	gntctngctc	cacgcagnnc	gggcgtgggc	gaattcggca	cgagcttctg	120
ttgattgggt	tgttttaaagt	acctaagtac	taccctttga	ctccctacca	aaagttcttt	180
tgttttttaa	acaactttta	tttgtgactt	actttcttga	gaagngttct	taatgaattg	240
cataaaatag	tggtagcagc	ttatttctta	agtncttnat	tattggggct	ttaccattca	300
ggtcttatct	ttaaccctta	tttactcagt	tttccatctg	aatgatccta	tctctaaatn	360
aaggatttaa	taaatgctgc	aaattgtcca	ctttgcaaata	ngtccaaaag	cttttagtttt	420
ggaccttgng	aacttttttt	ttaataacac	attatttggg	cccggctcgtg	gtggctcaag	480
cctgtaatcg	cagcactttg	gaatgcctag	gcagacagat	cacttaangc	ctggagttcg	540
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tancaaggca	tggnggtgca	cgcctgnaat	ctcagctact	tgagangcaa	atcnggagaa	660
atgcttgacc	ngggangcan	anatganccn	anattgcacc	actgcattcc	acctggggan	720
nanantgaga	anctggctca	aaacccaaaa	acccaaaaaa	aaaan		765

<210> 460
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 460

gtttncgctg	ggagccacca	acatagcaga	ttaccatgtg	aagttgccac	tgctgcatct	60
cctgaaacct	ggctgatggg	agaggtctca	ttttgtgtct	gagaatgtcc	aggttgtctg	120
cagaccacag	cactgatttc	ccattagcag	ttattatttc	ctggccattt	cttctgaag	180
gttttgtggt	taaactccct	gtcctcaata	ttttatcagc	agtagggctg	tcattcttct	240
ggttatcaac	ctctacatta	tgaagtaagg	ttcaaccctt	ctgcttttct	caggccccc	300
aaacggttcc	tatccaatcg	aacacaaaaa	cgggtattga	gaaggaattg	gcagggtca	360
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gaacttctaa	ctgaccactc	acccccaccc	actcttatgc	agtctgttca	ttcctgaaaa	480
caccactttc	atccctcctg	cacacaaccc	atgagggatt	gctacttcct	ataagattcc	540
tcagtgaacc	ttatagagtt	gctgcgagaa	ttacatttgg	tcattgatgc	aagtgtctgg	600
tatgtagctn	atgcttattg	aacacatagt	aattttattg	aataattgnc	atgatcactg	660
gatgagaata	tagcccn					677

<210> 461

<211> 787

<212> DNA

<213> Homo sapiens

<400> 461

gnnnnnnnag	ggnnnnngng	ggcctcncaa	agcccngncn	acaggtcccc	gttccaaagc	60
ntggnganc	gcnnccgccc	ancagnaagg	cgggggaang	cggcacgagg	acatcatcnn	120
cttattctag	taagagaaag	tacacagatt	caactttaga	gaggacnggg	gggnnnncng	180
gagcnaaatc	aaggaaggan	tatcacnggg	ccncccnnga	atataannnn	gaagctgnga	240
acagnaccat	cagnaacann	nnatggacag	ctctgatggg	gnnnatacca	cggcactctn	300
cnnaccnnng	gnggaagcna	tccggagnna	tgactgangn	gnaaagnggn	nnactggnag	360
aanccngng	ngctaggann	ctgggagagn	cactttcang	aagnnaccng	gcgangagnc	420
atcanaagaa	cccgganaag	ngagaagacn	ggaaaaagnn	cncancgnac	ngagcccagn	480
nannnnncnt	gagccanggg	ctncgaaang	ccccaccnga	agcnccatca	canggnacaa	540
ggnnngggaa	aaggaancna	cnnngcngac	angncncncn	aanagnacca	aancacngcn	600
nngcccncnc	gcccnaagaa	nacnggacng	cnggcncnna	ncanaaggag	cncnanggcc	660
cnnggnaang	aaactncnag	nagcccaanc	ccaaaggccc	cnangganng	ccnncaaggg	720
gaaaacanna	nncacccaag	gggcctgggc	naanaaggcn	nccacncng	gcccncncnc	780
nnnaccg						787

<210> 462

<211> 747

<212> DNA

<213> Homo sapiens

<400> 462

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ccannnagnn	nntgcgttng	cgaattcggc	acgagcctca	gccccacacc	agctctatctt	120
caggggtgag	agtcagagag	cactgcaata	tgtgcttcat	gggatttcga	ttcgaagatc	180
ctagaccagg	gagacactgt	gagccaggga	tacaacaaaa	tactaggtaa	gtcactgcag	240
accgacctcc	ctgcagtttg	ggaaagaagc	tgggtttgtg	gagaatcaga	gcattcttgac	300
atgactgctg	acctaagat	ccctggcatt	ggccagggat	cctgtggaac	ctcttctagt	360
tcaggggtgt	gagcattaga	ctgccagttg	tctagtgaac	tctgatgctt	gctgtgaact	420
tttaagatcc	ccgaatcctg	agcacctcaa	tctttaattg	ccctgtattc	cgaagggtaa	480
tataatttat	ctggatggaa	atttttaaaga	tgaatcccc	ttttttcttt	tctnctctct	540
tttctttcct	tctccctttc	ttctttgcct	tctaaatata	ctgaaatgat	ttanatattgt	600

gtcaccaatt	aatgatcttt	tattcaatct	aagaaatggn	ttaagttttt	ctcttttagct	660
ctatggcatt	tcactcaagt	gggacagggg	aaaaagtaan	tgccatnggc	tccaaagaat	720
tnntttatgt	tttagctatt	taaaaaa				747

<210> 463
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 463						
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gtggaggtga	tcagccggca	cttgccccgcc	ttggggctta	agaaccgggg	caagggcgctc	180
cgagccgtgt	tgagcctctg	tcagcagact	tccaggagtc	agccgcccgt	ccgagccttc	240
ctgctcatct	ccaccctgaa	ggacaagcgc	gggacccgct	atgagctaag	ggagaacatt	300
gagcaattct	tcaccaaatt	tgtagatgag	gggaaagcca	ctgttcgggt	aaaggagcct	360
cctgtggata	tctgtctaag	taaggattcc	atatggctct	catatcattc	cattccatct	420
ctgccaagat	ttggataccg	caaaaatttg	tgtnngnga	agattctgnc	tgaactcttt	480
cattcaagga	actactacca	tgaatctgca	ttctgntgcc	cacactgagg	ncttagtaga	540
taattgggtg	gtctgaaaca	cctattatct	cttatntctg	gtctctangc	tggnatgtta	600
attcctctga	aatgntaaaa	gtaatgggtg	anaccngaaa	aagaaatttc	aatnacagat	660
caanntgggg	ngcatgtatn	atthtcaagc	gtcaaatgg	aataagggaa	gantnctgga	720
tacctgcttg	gaaaaggaag	natgtgtatn				750

<210> 464
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 464						
gnngtgtctt	tgnaaagcct	ttgggggaann	gnnccttct	aatgcttggc	tatcgnctctt	60
tacgcagnnc	ccatcgattc	gaattcggca	cgaggccggc	cggcgacgct	ggcgacgctt	120
tcgcccctga	ggtagtgttg	cgaccgcgaa	gaaggaaaaa	gggcggggcg	gcggctgtcc	180
tctcaccgtc	ctcaccctgc	gaggcccggc	ccgctcctcc	gtcgtggatt	tcgcggcgat	240
ccccccggca	gctctttgca	aagctgcttg	aaacttctcc	caaactcggc	atggatacga	300
ctgcggcggc	ggcgctgcct	gcttttgttg	cgtctctgct	cctctctcct	tggcctctcc	360
tgggatcggc	ccaaggccag	ttctccgcag	gttggnctgt	tctttcgttc	tctcctctgg	420
gggctctgaa	gtttcaccag	gtggacgctg	gggagcgggc	tcccagacac	ttgtctacct	480
nccgccagtc	ctgacaactt	ttctggccaa	cctaccacgc	ttcgcttggc	tggcgagcgc	540
atctgctgct	ggggttcgcg	gtgcaaatgg	agacgcagtg	gtggccagag	ggtgatggag	600
aagacgggaa	aagcgacagc	cacgctnctg	gcttgaagcc	gcaggacgca	aataacttac	660
tttggacctg	acagttctac	gttgntgttg	angccctgtt	tcctggaaat	aaaactcaaa	720
atggtggttt	tttggaaaaa	aaaaaaat				748

<210> 465
 <211> 863
 <212> DNA
 <213> Homo sapiens

<400> 465						
gggnnnnnnn	aanggnnnnn	ggnnnnngtc	ccgttccaan	gaccnngaga	tcgnngncgc	60

tccanaagaa	aggcgggtgng	aattcggcac	gagacctgta	ccgcctggcc	actggctgtc	120
accggcgtga	tgagctgccg	gtgtttgaac	gcngcctatg	cngggacttt	cccggcanan	180
nggcnngaan	atggccncca	tncaggaagc	cgcccagaac	ctcctngggn	acacnacttn	240
agngccttcn	agtccgntgg	nacccggnc	aagccccggc	aancnctgcc	ccgggtcncc	300
gttcccaagg	ccaaccagcc	ctgggnaccc	ccggggagcc	gaaacnctgg	ggctnngana	360
ccngnantga	gagnncact	tttcnntgta	nacacgggcc	cagganacan	ctntgctcgt	420
ggccccgggg	naaannnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	ncc				863

<210> 466
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 466						
ngtctttcga	gcntggngnt	cgttctngct	cnannanatt	ggttgnggga	attcggcacg	60
agcctcagcc	ccacaccagc	tctatttcag	gggtgagagt	cagagagcac	tgcaatatgt	120
gcntcatggg	atttcgattc	gaagatccta	gaccaggag	acactgtgag	ccagggatac	180
aacaaaatac	taggtaagtc	actgcagacc	gacctccctg	cagtttgagg	aagaagctgg	240
gtttgtggag	aatcagagca	tcttgacatg	actgctgacc	taaagatccc	tggcattggc	300
cagggatcct	gtggaacctc	ttctagttca	ggggtgtgag	cattagactg	ccagttgtct	360
agtgacatct	gatgcttgct	gtgaactttt	aagatccccg	aatcctgagc	acctcaatct	420
ttaattgccc	tgtattccga	agggtaatat	aatttatctg	gatggaaatt	ttaaagatga	480
atcccccttt	tttcttttct	tctctctttt	ctttccttct	ccctttcttc	tttgccttct	540
aaatatactg	aaatgattta	gatatgtgtc	aacaattaat	gatcttttat	caatctaaga	600
aatggttta	attttttctc	tttactctat	ggcanttcac	tcaantggac	aggggaaaaa	660
agtaattgcc	atgggcttcc	aaaagaattg	ntttatgntt	tagctatttn	aaa	713

<210> 467
 <211> 732
 <212> DNA
 <213> Homo sapiens

<400> 467						
gnnnggtntt	ctaatncttg	nnnnnnnnntc	ncccttctaa	gccttgggnt	cgncnncn	60
acnancnggc	ttncgaattc	ggcacgaggc	gagatgaact	acactgtgag	gtggaggtga	120
tcagccggca	cttgcccggc	ttggggctta	ngaaccgggg	caagggcgctc	cgagccgtgt	180
tgagcctctg	tcagcagact	tccaggagtc	agccgcccgt	ccgagccttc	ctgctcatct	240
ccaccctgaa	ggacaagcgc	gggacccgct	atgagctaag	ggagaacatt	gagcaattct	300
tcaccaaatt	tgtagatgag	gggaaagcca	ctgttcgggt	aaaggagcct	cctgtggata	360
tctgtctaag	taaggattcc	atatggctct	catatcattc	cattccatct	ctgccaagat	420
ttggataccg	caaaaatttg	tgtttgtgga	agattctgtc	tgaactcttt	cattcaagga	480
actactacca	tgaatctgca	ttctgntgcc	cacactgtgg	tcttagtaga	taatttgggt	540
ggtctgaagc	acctattatc	tcttatttct	ggtctctagg	ctgggtatgtt	aatcctctga	600
tatgttaaaa	gtaatgggtg	agaccngaaa	aagaaatttc	aatacngatc	aantttgggg	660

tgcattgttga atttgcaacc tcaaattgga gtaagggaan attctggata cttgctggaa	720
aggaggaatg tn	732

<210> 468
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 468						
gnnagnnttc	taatngcttg	tnnnnnnnna	gacgttctaa	nnctttggcn	atcgtnnttt	60
ctncagnann	ccntcgattc	gaattcggca	cgaggccggc	cggcgacgct	ggcgacgctt	120
tcgcccctga	ggtagtttgg	cgaccgcgaa	gaaggaaaaa	gggcggggcg	gcggctgtcc	180
tctcaccgtc	ctcaccgccg	gaggcccgcc	ccgctcctnc	gtcgtggatt	tcgcggcgat	240
ccccccggca	gctctttgca	aagctgcttg	aaacttctcc	caaactcggc	atggatacga	300
ctgcggcgcc	ggcgctgcct	gcttttgtgg	cgctcttgct	cctctctcct	tggcctctcc	360
tgggatcggc	ccaaggccag	ttctccgcag	gttggttget	tctttcgttc	tctcctctgg	420
gggctctgaa	gtttcaccag	gtggacgctg	gggagcgggc	tcccagagcac	ttgtctacct	480
tccgccagtc	ctgacaactt	ttctggccaa	cctaccagc	ttcgcttggc	tggcgagcgc	540
atctgctgct	gggggttcgcg	gtgcagatgg	agacgcantg	gtggccagag	ggtgatggag	600
aagacgggaa	aaagcgacag	ccaagctcct	ggctgaaacc	gcaaggacgc	aaaataactt	660
actttgnacc	tgacagtctt	tnacgtttgt	tgtggangcc	ctgtttcctg	ggaaataaac	720
tcaaattggg	ggtttcttgg	aaaaaaaa				748

<210> 469
 <211> 776
 <212> DNA
 <213> Homo sapiens

<400> 469						
ggngntcta	atgcttgnnn	tgattctccg	tctataacng	gntaatnctt	ggncctacna	60
aaaggctang	ngaattcggc	acgagacctg	taccgcctgg	ccactggctg	tcaccggcgt	120
gatgagctgc	cggtgtttga	acgcaacctt	tgtctggactc	tcccggcaga	ctgcctggat	180
atggctcgcca	tgcaggaagc	cgcccagcac	ctcctcggca	cacacgactt	cagcgccttc	240
cantccgctg	gcagcccggg	gccgagcccc	gtgcgaacgc	tgcgcggggt	ctccgtttcc	300
ccaggccaag	ccagcccctt	ggtcaccccc	gaggagagca	ggaagctgcg	gttctggaac	360
ctggagtttg	agagccagtc	tttctgtgat	agacaggtac	ngaggatgac	ngctgtgctg	420
gtggccgtgg	ggcttnaann	tnannnnnnn	nnnccnnnac	caantctncn	nannannnnn	480
ccnacnnnta	aaantnnncn	ncnnnnnnnc	nnnnnnnnnc	cnnnnnanncc	nnnnctttnn	540
naancnnnnn	nnnnnnnnnc	nnnnncannc	nnnnnnnnna	nnncnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nannccnnnn	nnnnantnnn	nnnnnnnnnn	nnnnnnnnnn	aaannnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
ccnnnnnnnn	nnnnnccnnn	nnnnnnntnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnn	776

<210> 470
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 470						
tatgnntttn	ctaaaatncn	tgggcaanac	gtcctcnctt	tctaanagn	ttnggcanaa	60
cccttggcaa	nacgcngtn	accanacnc	agnnnggccg	tggcgggcga	gcgggcaaca	120

gctcttgagg	agtgagactg	cnggagatnt	gggccgtgcc	aaagagatgg	atgagactgg	180
tgctgagttc	atcaagagga	ccatcttgaa	aatcccccag	aatgaactga	caacaatcct	240
gaaggcctgg	gattttttgt	ctgaaaatca	actgcagact	gtaaatttcc	gacagagaaa	300
ggaatctgta	gttcagcact	tgatccatct	gtgtgaggaa	aagcgtgcaa	gtatcagtga	360
tgctgccctg	ttagacatca	tttatatgca	atttcatcag	caccagaaag	tttgggatgt	420
ttntcagatg	agtaaaggac	caggtgaaga	tgttgacctt	tttgatatga	aacantttta	480
aaattcgttc	aagaaaattc	ttcanagagc	attaaaaaat	gtgacagtca	gcttcagaga	540
aactgangag	aatgcannct	ggattccaat	tgcccgggga	acacagtaca	caaagcccaa	600
ccagtcaaac	ctacctacgn	gggggactac	tccagactcc	cgnacncctt	cacgtcctcc	660
tccatgctga	ggcgcaatca	ccgcttctgg	gncaagaagt	tanaaacnct	gggaaaaact	720
acctnccgaca	agaaggggan	catttanatt	taccnnaaat	gaana		765

<210> 471
 <211> 820
 <212> DNA
 <213> Homo sapiens

<400> 471						
cnnnnngggg	nnngngggcg	cntccnaaan	ccggggcgac	agngccnnng	ttccaacaga	60
ccnggngngc	cgncngngcc	ccanacagca	ngggnggggc	nnngggggnn	cnnccgncnn	120
cnnancnaca	aagaactcaa	caagaaaaaa	acnaacccca	caagcgggca	aaggacgnga	180
acagacantn	cccaaaagaa	gacatacaag	caaccnaaaa	taatcnaaaa	taagnnncaa	240
aaagaaaaaa	ngcnagacag	agnngngana	gnactnagna	aaaagngana	tctagcggcn	300
annagnangn	nngnnnacgg	ncngnnncna	agaaanagnc	nctggnnccc	aagcnggagn	360
acagcggcgc	aagcnnngcn	cactgcaacc	gcgaacnccc	gggctcaagc	gaaccnccag	420
cctcagcctc	ccaagnagcn	gnnaaaggca	ngcaccacca	cacccgacna	aaatancngc	480
nancaanaac	ananaanggc	nccccngngc	nnanncagga	aanaaacacn	cnnangcnnc	540
ngaaaanaan	naancncncn	cnnnacaana	aaacnnnagc	cnnagaacaa	nnnnggaggc	600
ggaanacggg	nnancccgac	anganaanga	nacnanngan	gganganngg	gaccaaaccn	660
cancccgggg	anggcnnngn	aaaaaaaang	ccnnnaaann	gggggaaaan	ncggngnang	720
ccnaaagggc	cnnaaanggg	gaaaccnanc	naaaangccg	ggcanannan	aaccnagcnn	780
nancnancn	nccaangggg	nannncncn	nncnaggccg			820

<210> 472
 <211> 738
 <212> DNA
 <213> Homo sapiens

<400> 472						
gnngtgtctc	taatgcttgg	ctactngttc	tttccgcccga	acncttgcta	atgcttggcn	60
ntcgttcttt	ctccacnnac	nnngcnntnc	gaattcggca	cgaggtcaca	ganatnaaag	120
tccaatcata	ggggctggnc	cnactctctn	gctnntccct	gcangantca	tangatcagn	180
nanaccgtgc	gnntttgnaa	gcntttcaaa	tgtgntacca	tcnggttact	tncnnnggca	240
cctgntgann	tnggttgnac	tnnnccngat	netccaaanc	caccnnnnnc	atgggntnng	300
tgngcatgng	ntggnnncan	nacagannna	ganactttta	ngaannngnt	tntgcaaccn	360
tnggnnctag	caancntgan	antnccaggg	nnggccacna	agctgaaaat	nnatgttana	420
ncnnatgntg	naatctctag	natgacttcc	ncannnnanc	aaactnangc	anggctgcna	480
tgttagaanc	tanagggcna	atttcttntc	natgnaacca	ntntatgctt	ttaagacctt	540
caactgtnnn	natgaagccc	atntacatna	ttncggtaat	anggctatnc	ttaaannnaa	600
ctgctgaaaa	tnatgatnca	nctacgaaat	cctnnncanc	ncatntggct	naatcattac	660
caaccatttg	acaccnncat	ngnctaccca	cntgcattnn	catgaccnan	tccantgcca	720

cccgcncaga tntacctt

738

<210> 473

<211> 752

<212> DNA

<213> Homo sapiens

<400> 473

tatgnntncc	taanagagtt	ntgnnacacg	gcccgccttc	tnaaancttc	ctaatncttg	60
ggcgctcggt	ctntctncac	ncagnnnntg	cggtnccgaat	tcggcacgag	gtccttttga	120
accaccccaa	agaactcaac	atggcaaagc	aaatggtaaa	agcttcccga	ctgttctact	180
ttgggtccgc	gcgaagccca	ctcacgtgtg	atctgtgttg	cccctgggag	gcccggggcg	240
accggaaaag	ggctctctca	agttctgaaa	agagaatctg	ccaccagatc	gaatttcgac	300
ccctgagctt	gttcggacgt	atgggtccaa	ttcagattaa	ggtgggtcacc	caacccgaga	360
tgtcaggaaa	ggccttctgc	agagaaaatg	tccccccacc	cgccatctgc	agccaggtgt	420
gtgccacacg	gcagccttcc	cgaaacatag	tatggatttt	aaaaatgtgt	ntatttttgg	480
ttctcaacca	ctttataacg	tattttttta	tttattttgt	aatgtcttgt	tttgaagtat	540
tgctgctatc	cttggtatcc	ttcccactgg	ttttatcact	ganttatctt	gngaaagttg	600
ncactaatgt	tctatgtcaa	aatcaaaaag	atttaatgaa	atactanntc	tattttaatgt	660
ggntatggaa	ccagctggaa	acacaaaaca	aacagtgtat	gacancaagc	tgggcccag	720
agncaggtca	ttttgnacat	atgccataa	ac			752

<210> 474

<211> 752

<212> DNA

<213> Homo sapiens

<400> 474

ttgcanacnn	aatanttgct	gtaaaagtcc	cnnccttttn	ccctttctaa	tgnttgngcg	60
ctcgntctnt	ctccacnagn	nnntgcgttn	cgaattcggn	tctnagccca	tgccgggatc	120
ttcccacacc	cgtcctcaca	gatccagccc	cagcccctgt	cttcccagge	catctctcag	180
cagcacctgc	aggatgcggg	cacccgggag	tggagccctc	agaacgcac	catgtcggag	240
tctctctcca	tcccagcttc	cctgaacgac	gcggcttttg	ctcagatgaa	cagtgaagtg	300
cagctcctga	ctgaaaaggc	cctgatggag	cttgggggtg	ggaagccgct	tccgcacccc	360
cgggcgtggt	tcgtctcctt	ggatggcagg	tccaacgctc	acgttagaca	ttcatacatt	420
gatctccaaa	gagctggaag	gaacggaagt	aatgatgcca	gtttggactc	tggcgtagat	480
atgaatgaac	caaaatcanc	ccggaaggga	angggagatg	ctttgtctct	gcagcagaac	540
tacccgnccg	tccaagagca	ccancagaaa	gancctcanc	cccagacagc	acggncctaca	600
cgcantcgt	gnacctggat	gacntggaac	anaatggtan	cnaatgtggg	accacngnct	660
tgtanccena	ggacaaggcc	ctncnangct	tgntggangg	gtcnantcng	anaaatggng	720
gccactgccc	aacccgcang	aaganaacaa	nn			752

<210> 475

<211> 742

<212> DNA

<213> Homo sapiens

<400> 475

gntttctntt	aatncttttn	naaangcggn	ntttacnttt	ctangnntgn	gnctcgttct	60
ttcccacnna	nnnnncggtn	cgaattcggc	ncgaggtgaa	acagaaagtg	gagatgcttt	120
ccttgacctg	aagaagcctc	ctgcctccaa	atgcccccat	cgctatacaa	aagaagaact	180

cttggatata	aaagaactcc	cccattccaa	acagagcctt	catgcctttc	tgaaaaatat	240
gacagtgatg	gtgtctggga	ccctgagaag	tggcatgcct	ctctctaccc	agcttcaggg	300
cggagctcac	cagtggaaag	tctgaagaaa	gagttggata	cagaccggcc	ttccctgggtg	360
cgcaggatag	tagatccacg	agagcgtgtg	aaagaagatg	acttanatgt	tgttctcagc	420
cctcagagac	ngagcttttg	agggggctgc	cacgtgacag	ccgctgtcag	ctcccggcgc	480
tcangaagtc	cattagagaa	agatagtgat	gggcttcgtc	tgcttgggtg	acgtaggatt	540
ggcagtggga	ggataatctc	tgcccggacc	tttgagaagg	atcaccgctt	aacgataagg	600
acctgcggga	cttgagagac	agagaccnan	anaaggactt	caaggacaac	gtttcangan	660
anaanttttg	gagaaagtaa	ncntgtcttt	tggtgancgt	anaanaaat	gattcttacn	720
cnnaanaaga	acccgaatgg	tt				742

<210> 476
 <211> 1122
 <212> DNA
 <213> Homo sapiens

<400> 476						
gnnngggnnn	ttctaaaagc	tgggnnnnnn	nnngaggnc	ttctaattct	tctaattggtt	60
ggctctcgtt	ctttctncac	gcagcnnngc	gnnncgaatt	cggcacgagc	ctgcagccac	120
taatgcattg	tgtatgataa	caaaaactct	ggtatgacac	atcttctgng	atcattgnta	180
attagtgaca	tagtaacatc	tgtagcagct	ggtagtaaaa	cctcatgtgg	gggtgggggtg	240
ggggtgtatn	cctngnggga	nggnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1122
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nc

<210> 477
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 477						
gnngtgctt	tgaaannccn	tttgnnnnng	nggcccttct	aatgctnttn	cgntcngggg	60
gtcgaactcg	ccccacncng	cnaggcgggg	gctncaagcg	attctaaacc	acctatgagt	120
atttctttta	gggtcactt	aaatacatgt	ntgngntac	tgggggctag	ccngaataat	180
tttagatctg	atcaggtngn	ngctnaaatt	ngaaaaanac	cnnntngatg	cttaaagaat	240
tngcntccat	ttttgagtct	aaatctttta	aaatntactg	ngatccacat	ctagngaaat	300
gtcngtgtca	anatattctn	gatnatcgct	naaatccnca	ttaataactn	ttnggggtnn	360
nnnatagnng	aacttcntag	nnntncnaaa	agcacatngn	cttctgtgct	ccgctgctcc	420
cacagnnggt	nttgnaactg	ggnaaatcag	nnnnnngata	gcgngngnnt	ntnaganaaa	480

ntngatncac	acatncttnn	nnctcagnen	ncacatngat	tgaacactct	ggccaagatg	540
ctgnggngga	tgangttgga	gttcgannga	agaagccngc	gctggcctgg	cttgnaagac	600
ccnngncttt	cccntnccct	cnctngaaag	ctgcccngac	ngaggccnaa	ngnaaatggn	660
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<210> 478
 <211> 746
 <212> DNA
 <213> Homo sapiens

<400> 478						
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ccctcctgcc	ctctgggttc	acaatacgtg	tacacttgac	tgtgaagtgg	ctgtgagagt	180
gggtggagag	ttcttctttg	accctcagcc	tgccgatgcc	tctagaaacc	tcgtgttgat	240
tgcaggagga	gtcggaaatta	accctctgct	ttccatcctg	cggcacgcag	cagatctcct	300
cagagagcag	gcaaacaaaa	gaaatggata	tgagatagga	acaataaaac	tattctacag	360
tgcaaaaaat	accagcgaac	tcctgtttta	gaaaaatatc	cttgatttag	taaatgaatt	420
tcctgagaag	attgcatgca	gtttgcatgt	tacaaaacag	actacacaaa	tcaatgcgga	480
actcaagcca	tacatcacgg	aaggaagaat	aacggagaag	gagataagag	atcatatttc	540
aaaagagact	ttgttctata	tttgtggccc	acctccaatg	acagactttt	tctccaagca	600
actggaaaac	aaccatgtac	ccaaagaaca	catttgcttt	gagaagtggg	ggtaggaggc	660
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aaaaaaaaaa	actngggccc	tttaga				746

<210> 479
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 479						
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gttccacgta	gcaacacctg	ctgagttctc	tgggttttct	tctgcctca	tgtagcccag	180
acttgagact	gaagaagctg	gaaacatgga	aacaccaaca	gctacagacc	aaaaaaagtc	240
ccaacaaagg	cctgtcagtc	tgccagcctg	ttctgtggat	ttccaactca	agattgcagc	300
atcaactcac	acctgaagtt	ctggcttccc	tacaaacttt	gaacttgcca	gtccccacaa	360
tggcataagc	caattcctta	aatgaatgt	ctagttctag	ataatgtgtg	tattctactg	420
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ggtacagatt	accatagact	gggtgggtta	aactaccaat	cttattactc	acagtttttg	540
gagtctggaa	agtctgagat	cagggttcca	gcaggattga	gttctttggg	gaacatnctc	600
tttctgggct	acagaatact	gggttacttt	aagtnggaaa	aagtaggggtg	aagctgggtc	660
ntttggcctc	ttcttttaag	ggggactaat	tcatgaaggg	ttccaccctt	attgacctat	720
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<210> 480
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 480

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tctactgttt	ttgcctaaac	agaatccctt	tttccttttt	ttgttaaaag	tactcatccc	360
taatattaca	ttgttctgga	aggactgaaa	ataacagaa	tcagcaccat	gacggaccg	420
ggacaatcag	attatttcat	tcctcancaa	acggagatcg	atccgaaaag	tggaaatatg	480
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gactgcaata	aagtatagct	gcctaaaata	cgtttcctga	ccttggangt	ttgnccacaa	600
tcggtgaaat	aaangcaaga	cgtacacttg	gatgaaaaaa	aaannnnnnn	naaaaaaaac	660
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<210> 481
 <211> 742
 <212> DNA
 <213> Homo sapiens

<400> 481

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aaaaccaagt	ccctggccca	gcagttgaca	agggaggcca	ctcaagcgga	aattgaagca	240
gataggtctt	atcagcacag	tctccgcctc	ctggattcag	tgtctcggct	tcagggagtc	300
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tcaagcctgg	taaccaggca	tatggatgag	ttcaagcgta	cacagaagaa	tctgggaaac	420
tggaaagaag	aagcacagca	gctcttacag	aatggaaaaa	gtgggagaga	gaaatcagat	480
cagctgcttt	cccggtgcaa	tcttgctaaa	agcagancac	aagaagcact	gagtatgggc	540
aatgccactt	tttatgaagt	tgagagcatc	cttaaaaacc	tcagagagtt	tgacctgcag	600
gtggacaaca	gaaaacagaa	ctgaagaacc	atgaagagac	tctnctacat	caccagaagg	660
ttcagancca	atgacaagac	ccancaagca	naagagccct	ggggagccct	ctgctgatcc	720
caaanggcaa	aaaatggggc	cn				742

<210> 482
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 482

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cctccactgc	acctgctgcg	gagtggcacc	tttgcttgc	aggccctcta	ccccatggcc	180
cagtgtcatc	tcagcagggt	ctttggccac	tcaggaggcc	cttgtggtgg	gttgctcagt	240
ctgtccttcc	ctcatgagaa	gctactgctt	atgtccacag	accaggagga	gctgtcacgc	300
tggtagcaca	gtctgacttg	ggctatcagc	agccagaaaa	actagaggaa	tcttatagat	360
tccagaactc	aggatacctc	agggataggt	cacagccaag	agtacaaagg	aatcttcagt	420
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ctgtaatccc	agcactttgg	gaagcaaang	tggcaggatc	attccagccc	aggagtttca	600
agancagcct	ggcaacacag	tgagtgagac	cctgtctcta	tttaagaaaa	aaattattaa	660

gaaattttat taaaaaagga agaatcagga aaccaaagtc aaccccaact taaccctcaa	720
tgaaccagcc ctaacacaga tgangggatt tg	752

<210> 483
 <211> 849
 <212> DNA
 <213> Homo sapiens

<400> 483

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gtaacatcng gaaaaaacag ctngnncctg gngaaaaag gatgccaaaa tngcctggaa	180
aagagcagng gagaggagtc cgggagatgn gngatgcac gggacgcanc atngntnaac	240
attcactggg tctgccaaaa atgtggattt gngggctgct tagatngtta caaggcaaaa	300
ggaaaggaaa gagttctaga gataaaagaa ctatatgctt ggatgaagtg tgtgaaggga	360
cagcctcatg atcaccaaca tttaatgccc aacccaaaat tataccnggt tctgntttga	420
cagacttcta gatgccatgc acactcttag ggaaaaaata ttgggattaa ancccatngg	480
cattggacta acaaacagga atttacaagg tnggaaantt ttncnaccaa tgaaaggggg	540
gatcncaagg ttttccagaa nggntcntaa tcncaggnaa taaaaattnc tctngggcaa	600
gccctgagtc ttaancagca aaaanactcc tcccgaancc tgnagaaaaa agggggggca	660
gccaggcccn naaanggaan gtnaggcccn agatnaacaa ngtnacctcc ncccagnaaa	720
ccccannccc caactggnac cngggnaacc cacaacnttt gcngaagncc aaaaaagncc	780
nnnagangga aaaaaaaaaa naananaaaa aacctnnnag cccctaagaa accttagggg	840
nggcccncc	849

<210> 484
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 484

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cgggccncca ggnccgggna aagggcccc ttcggcggcc cccggncggc cccaatgggt	180
tccaaaaagg gaaaaaaaaa aaagggggaa cctgggaagt tggcccanga aaangnaaaa	240
aaaggnaagn aaaccttcg ccaatgggaa tggggaaaaa taattttttc ttgaaaaacc	300
caaaaaagga atggttattt ttcaaattta aaaaaggaac nttgggaaga aagaattggc	360
ttcccaacng cagaaagggc attactggct atgtcaagta aaagaagtcc ttcaaagctt	420
agttgatgat ggtatggttg actgtgagag gatcggaact tctaattatt attgggcttt	480
tccaagtaaa gctcttcatg caagggaaac ataagttgga ggttctggaa tctcaagttg	540
tctgagggaa gtcaaaagca tgcaagccta cagaaaagca tttgagaaag ctaaaattgg	600
ccgatgttga aacggaagag cgaaccaagg cnttgcaaaa agagcttttc tttcactttc	660
gagaccaaaag ggaaccagc ttnnaagggcn agaaaagtn gaaaaaaatt ccaaaggaaac	720
tgggtggaatc ccccaaaagg tttggttggg gaaagaaaaa tccccgcccc aangccaaa	780
tttaaaagggt ttngcccca aagggaaaag ncttgnctt taaccagga attggggacc	840
ctgggantta aaaccnataa ttttcccgcc naatttnaaa aaattcnttt nggggncccc	900
naaaanggna aaaaaatttt ngggggggtt tggnaaggna aaaatttnaa atttggattt	960
ngaaactttt ttngggaatt cccagaaag aacttttgac cttccnttng acctnaaaaa	1020
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<210> 485
 <211> 798
 <212> DNA
 <213> Homo sapiens

<400> 485

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aagctcccca	caggcagagc	tgcttggatg	tgtgagtcac	gaaccagaga	agccccgctc	180
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cagtccccag	ggctctcctg	ttggtagttc	ctgcttttct	tcttggaaat	tcctcgtgga	300
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agcttatctt	cacagatgcc	agacaatgga	caactcacca	tcagtcctct	gctcacctga	420
gacaaatgca	tgtctgattg	cttcctctgc	cctattgntt	atgtgaaaat	gcagattcac	480
tgagccagac	taaggcatca	gtgactgttc	ctctacctgc	ctctcacatg	gagatttgtg	540
attcagtga	aggctgatca	aagacccaaa	ggaatgcaac	agtttatctc	ttatctacct	600
atgacctgcg	aactggccaa	caaccagtt	gttgncgcct	tttcagacag	aaccagtgtc	660
atcttacacg	tattnaaatg	gatgtcctgg	ngtctncta	atatgtattc	aaaagcaagc	720
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actggcatgt	ccttaanc					798

<210> 486
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 486

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ggagacagtt	gatagccaaa	caacagtttt	ggattcactg	actgattatg	aaagaagcag	180
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tcctagttga	agcctcccta	ggccaagcaa	ccgtccaact	accagacatt	gaccattcag	420
ccttgaacat	tcagcacaaa	gacaaaacag	accagaccag	aagagtccca	cagaataggg	480
gaaactattc	agagaaaact	taagccacta	agttttatgg	tgttttgttc	tgtagcagaa	540
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agcatttttt	ccttgaaaac	ctggagcatg	tatccatctt	atagcagaga	tcactttcac	660
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ttaattactc	tgggnatttg	ntggattccc	aaccttctaa	tatttacttt	tcctctttan	780
taanc						785

<210> 487
 <211> 797
 <212> DNA
 <213> Homo sapiens

<400> 487

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cacacacann	caancantat	catgtaagac	agnnecgntna	ntnnnnnnatt	ntnatncttn	240
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gananangac	ganantctga	atcttaagca	tatgctccat	cnttnnatat	gctntggtgg	360
agaggctngc	cntnattcat	nttnncatgg	agncaagttt	aatgcctcta	gantacattc	420
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gccagataaa	tatttttgata	ttagnntttn	tttttnnatat	anngcggtag	gtttgaattg	600
nacnttnaaa	tgntntgggt	tgtnaagaca	ntggnttnca	atnnaattta	tnacatgaat	660
tggngnctcc	cctttggnga	aaccttaaa	aantnttgn	tacttcttca	taaaagggtg	720
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<210> 488

<211> 762

<212> DNA

<213> Homo sapiens

<400> 488

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ctggctactg	ctctgtgttt	acagacgtgt	gcagttgtag	gcatgtagct	acaggacatt	180
tntannggcc	caggatcggt	ttttcccagg	gcaagcagaa	gagaaaatgt	tgtatatgtc	240
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agagtatttt	ccacaatgat	gatgatttca	gcagggatga	cgtcatcatc	acattcaggg	360
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acccttcaca	ggcacangtc	ccccaaatga	gaagtctgnt	acccctcatt	tcttnatctt	660
tttacttaaa	ctcaagaggc	agtgcaggn	agtcaggggc	aagacattac	atttttcata	720
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<210> 489

<211> 822

<212> DNA

<213> Homo sapiens

<400> 489

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ccatcatacc	ttctgaaaga	aaaaagcata	tcttcattga	cataacagaa	gtgagatggc	180
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aagccccaaa	agataaacta	gttgaaaaaa	ctggcaaaat	ctgtatacgt	ggaaattttac	420
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gtccagagga	atgggaaata	ttcctttgtc	tttagcactt	cattttttcta	aataaaaatc	660
anccaatatg	tctaaaaaaa	aantttnttn	ataataaacc	tngaagccct	nttanaacct	720
tntnntggag	gtcctnnttt	acctatgat	tcccggaaact	tggataagga	atcccntttg	780

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822

<210> 490
<211> 789
<212> DNA
<213> Homo sapiens

<400> 490

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accntgcang	anggaanaan	ggctggccnn	cngntgtacn	ctnaccgtcc	taaccccgcg	180
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annaatnnt						789

<210> 491
<211> 790
<212> DNA
<213> Homo sapiens

<400> 491

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tgtttnggtc	tatagaagac	gttaaagaaa	acttccagaa	agtgggtttg	aggcatgagc	180
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cgggtgagctg	acatgggtgc	actgcactcc	ggcctgagtg	acagagtggg	actctgtctc	360
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caaaaattta	ttttgatggg	gctgaattgc	tctgccaggg	agcatttttg	gtattgagat	720
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<210> 492
<211> 804
<212> DNA
<213> Homo sapiens

<400> 492

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<210> 493
 <211> 800
 <212> DNA
 <213> Homo sapiens

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<210> 494
 <211> 757
 <212> DNA
 <213> Homo sapiens

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ctaaaatcca	gattaatact	catttggggg	tttttatagt	ggaacttcac	agtaatacaa	360
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 <211> 756
 <212> DNA
 <213> Homo sapiens

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<210> 496
 <211> 744
 <212> DNA
 <213> Homo sapiens

<400> 496						
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caaacggaga	tcgatccgaa	aagtggaaat	atgagctctt	ctttgggtgtt	ggcatatgga	480
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<210> 497
 <211> 772
 <212> DNA
 <213> Homo sapiens

<400> 497						
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gttaagtata	catttatatt	ttactgtgac	ttgttcagga	ccacatttta	caaaatgcct	420
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caataccttc	caaagtaagg	taatattcag	agacagttgt	tggtgatcag	atggcttaga	600
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<210> 498
 <211> 773
 <212> DNA
 <213> Homo sapiens

<400> 498						
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ctcantttcc	agtccttgaa	tggccattcc	ccactttcat	agccacttaa	ttgctatctg	660
aaattacact	taaaatgggc	accttcatga	tgggaaggca	attaattgcc	tttgtcactg	720
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<210> 499
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 499						
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735

<210> 500
<211> 926
<212> DNA
<213> Homo sapiens

<400> 500

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cnctnanca	atatttcata	tcnccccctng	ctaaaattct	ttnanannaa	nttctcantt	600
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tcnnanant	cattnnntnn	ttntnngctn	ntnnatcacc	cttanctcnn	tctcanntat	720
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ttatntcttg	ttntntntct	cncatctctn	tentnttctc	ngctnannnn	actccnnnnn	840
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<210> 501
<211> 706
<212> DNA
<213> Homo sapiens

<400> 501

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<210> 502
<211> 784
<212> DNA
<213> Homo sapiens

<400> 502

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 <212> DNA
 <213> Homo sapiens

<400> 503						
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 <211> 795
 <212> DNA
 <213> Homo sapiens

<400> 504						
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<210> 505
 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 505						
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<210> 506
 <211> 796
 <212> DNA
 <213> Homo sapiens

<400> 506						
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<210> 507
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 <213> Homo sapiens

<400> 507

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<210> 508

<211> 724

<212> DNA

<213> Homo sapiens

<400> 508

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cccnannttn	nncnntant	cnnngggntn	angtggtnnn	nnctngggac	agntcnntnt	660
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<210> 509

<211> 803

<212> DNA

<213> Homo sapiens

<400> 509

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gcagtgaaaa	aatgctttt	tttgtgaaat	tttgngatgc	tnttgctttt	tttgtaacca	720
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<210> 510
 <211> 789
 <212> DNA
 <213> Homo sapiens

<400> 510						
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<210> 511
 <211> 776
 <212> DNA
 <213> Homo sapiens

<400> 511						
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<210> 512
 <211> 917
 <212> DNA
 <213> Homo sapiens

<400> 512

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<210> 513
 <211> 780
 <212> DNA
 <213> Homo sapiens

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<210> 514
 <211> 793
 <212> DNA
 <213> Homo sapiens

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<210> 515
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 515

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<210> 516
 <211> 825
 <212> DNA
 <213> Homo sapiens

<400> 516

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<210> 517
 <211> 1444
 <212> DNA

<213> Homo sapiens

<400> 517

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ccnctattnt	cntnntnntc	nnctcncnnn	antnctnnnt	tctncctnnc	cancntntcca	180
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<210> 518

<211> 706

<212> DNA

<213> Homo sapiens

<400> 518

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caagtttgcc	ttctcctatg	ttttccagaa	atgacttcag	tatctggagc	atcctcagaa	180
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tcagtgcatt	tcagtctgaa	ggattaaaca	atgacttcat	ctttcatggc	tctatctatc	540
ccaaactgaa	attctggggg	aagagtgtag	aagcagaacc	caaaggaacc	atcaccttgg	600
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<210> 519

<211> 734

<212> DNA

<213> Homo sapiens

<400> 519

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<210> 520

<211> 701

<212> DNA

<213> Homo sapiens

<400> 520

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cacttttagat	gaagagttac	ccaagagagt	gaaagctcga	ttttccacag	cctctgacat	180
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gtgaaaggaa	atactagtga	atcacccaca	aggaaaagcc	actgccacag	aggaggcggg	660
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<210> 521

<211> 784

<212> DNA

<213> Homo sapiens

<400> 521

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cccaccatgt	cccaggtgat	gtccagccca	ctgctggcag	gaggccatgc	tgtcagcttg	180
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aagaaggagg aatctgaagc cttgggtaag gatttggggc acagtaccag gaggggggct	600
tggtgccaga cctcatgagg aagaaggatt ttcctatgta cagagaaggg gacccctgtc	660
ctgttgggan gtgctgtgca aacctaacca aagttactaa cccctctggg ttctgngggt	720
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 <211> 719
 <212> DNA
 <213> Homo sapiens

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gatatgagga aattgttaag gaagtcagca cttacattaa gaaaattggc tacaaccccg	660				
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<210> 523
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 523					
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cagagagaca agatggtgaa ggaactgagc ctgatgaaga gtcaggaaat ggagcacctg	180				
ttcctgtacc tccaaagaga acagttaaaa gaaatatacc caagctggat gctcagagat	240				
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gtaaaaagga agttcagacc tgtttaaaac gaattcgact tgatctccct attttacatg	480				
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 <211> 730
 <212> DNA
 <213> Homo sapiens

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aggccctaaa	gaagcagtca	tggcgattcc	acaccaagta	catgatgtgg	ttccagaggc	240
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gtaaaaccta	ttttcatttt	ggaaaatatt	tatgaataaa	tagttttata	tgaaaaaaat	660
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<210> 525

<211> 711

<212> DNA

<213> Homo sapiens

<400> 525

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gagcctcagt	gagggcactg	ggactggcct	cactctcttg	ccccagcct	agtgggcttt	360
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gcccggaata	ctggggcctg	ccttagcatc	ccccatagct	tccacagccc	cagggtgatc	660
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<210> 526

<211> 692

<212> DNA

<213> Homo sapiens

<400> 526

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gaaaagagtc	aaaccttttt	gggaaaatca	gaggaagtaa	ctggaaagca	agaagatcat	180
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<210> 527
 <211> 769
 <212> DNA
 <213> Homo sapiens

<400> 527

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tgaaccagcc	cctaacacag	atgangggat	ttgggactga	taagctctgt	gctgngtcca	720
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<210> 528
 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 528

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gcagcatcng	cagagatnat	nacatgtntc	atattgggaa	aatgaggcac	gttantgttc	300
gcnattttta	aggcaaagtg	ctaattgata	ttanagaata	ttgnatggat	cctgaagggtg	360
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aacagattct	gacattgatg	atgcagtaag	aaactgtgaa	attcgagcca	tataaataaa	480
acctgtactg	tctagtgtnt	ntaatctgtc	tttttacatt	ggcttttgtt	nnctnaatgt	540
tctccangct	attgtatgtt	tggattgcag	angaatttgn	angatgaata	cttnntttta	600
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ctgccaccac	ctagtgtcaa	ataaaatcaa	gtaatacaat	cttaataaac	ntttaaacta	720
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<210> 529
 <211> 821
 <212> DNA
 <213> Homo sapiens

<400> 529

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<210> 530
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 530						
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<210> 531
 <211> 768
 <212> DNA
 <213> Homo sapiens

<400> 531						
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<210> 532

<211> 761
 <212> DNA
 <213> Homo sapiens

<400> 532

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cacattttan	gggcattggg	taatcctgag	attttactca	ntaaatcctg	atggtactgg	720
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<210> 533
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 533

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<210> 534
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 <212> DNA
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<400> 534

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<210> 535
 <211> 735
 <212> DNA
 <213> Homo sapiens

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<210> 536
 <211> 785
 <212> DNA
 <213> Homo sapiens

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gcnnttttnc	tgctntgngg	ncaanangan	tnacnngncc	cgggnnanag	ctcctatgct	360
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aaagaggcta	ctgtgctttt	ancctttttt	aaaacctcca	tctgtattac	attgnnaacc	660
angtttcttt	aatnaggagc	ttgacctcta	nantgggaac	tcttgggaat	ggnccttagtg	720
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actnt						785

<210> 537
 <211> 967

<212> DNA
<213> Homo sapiens

<400> 537

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cacacacang	caagcactnn	catgcatggc	ccatgctcac	acacntgnan	nnaacatgcn	240
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acgnnctttt	aactaaaaan	cttggagcct	tnanttnntn	tggtgantnc	aatncctana	480
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aattganatt	attncntant	ngnncacgaa	gcttntggta	ncangngncc	cgagnnctnt	600
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ggtanggann	naattgtnc	tggnnatagt	tctcacaant	natnttnaag	gggnnaagng	720
atnngngngg	nccntntatg	nggcnnngcca	annaangggg	tcgnngttaa	natattccaa	780
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nnnactatgn	naaatattct	cacatntaca	naaaaagnag	gnnccnnggt	ncttnaagnt	900
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gctttnnn						967

<210> 538
<211> 892
<212> DNA
<213> Homo sapiens

<400> 538

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acatctactg	tttttgccca	aacagaatcc	ctttntcctt	tttttgttaa	aaggctcatn	180
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cgggacaatc	agattatcta	attcctcagc	aaacggagat	cgatccgaaa	agtggaaata	300
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tccacaatcg	ggngaaatta	nngggtnnga	cntaancact	ggatgaaaaa	aatnccgnt	480
tanttntatt	ncnnttccan	ncttntnaaa	tanananttt	ntcanccttn	nntaatacta	540
ttanntatat	ntnttnnncc	cnnatnnncc	ttcttnctcc	tacnnctntn	cnatntnnnn	600
nnangntcnn	cnannnnntc	tnntatttct	annatatntc	ntancnttna	ctaaaacctc	660
cnctcgttna	nattncnnta	taatattntc	tctaganntt	ntnntntntt	gnnncttaaa	720
anctentcta	tccctantat	nantnattct	taccatnaaa	tacactanaa	gtntnttcac	780
gagacncgnt	atgttantnc	anactataat	cgtttnctat	tanntatatn	taaaantgct	840
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<210> 539
<211> 751
<212> DNA
<213> Homo sapiens

<400> 539

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gtgagtcctt	attacgtaga	tccagacatg	atnagatcat	tgatgaattt	ggaccaaccc	720
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<210> 540
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 540						
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tccaaggtag	gctgggtgtca	tagtcttctc	actcctaate	catgaccact	gtttttttcc	360
tatttatatc	accaggtagc	ccactgagtt	aatattttaag	ttgtcaatag	ataagtgtcc	420
ctgttttgtg	gcataatata	actgaatttc	atgagaagat	ttattccacc	aggggtattt	480
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<210> 541
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 541						
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agctattccc	caaacaatgc	caagtccttg	ggattgtgac	cccagggaatt	gtagtgactc	360
caatgggatc	angtagcaat	cgacctcagg	aaatagaaat	tggagaatct	ggttttgctt	420
tattattccc	ttcaaattga	aggaataaaa	atncaaccct	ttcattttat	taaggatcca	480
aagaatttaa	cattagaaag	acatnaactt	actgaagtag	gtctttttaga	tacctgaac	540
ttcgtgtggt	cttgnctttg	gttataattg	ctgtaagggtg	ggagccagta	attatctgca	600
gcaagtagtc	acncttttca	gtgatatgaa	tatcatcttt	ggcttggang	ccantngaca	660
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748

<210> 542

<211> 784

<212> DNA

<213> Homo sapiens

<400> 542

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anactgtcca	ananantang	ngtcaataca	tcaacnnctt	tanntgcttg	atattgnnat	180
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gacanantgt	tntgantgcy	gattaganac	cacngaagnn	acactnaagg	ancancatct	300
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<210> 543

<211> 764

<212> DNA

<213> Homo sapiens

<400> 543

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ctatncattg	ncaagaangg	ntnttgncaa	tncatangac	tgtgtagcat	tcggcanagg	300
agaaaatgnc	aagaactatc	ttcgaacaga	tgacanagtg	taacgggtac	gcagagncca	360
cctgaatgac	cttgaaaata	tnattccatt	ncttgnaatt	ggcatnctgt	attccttgag	420
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ccacaccatg	tgcatatttg	acaccccttt	cnntatccaaa	tatagctatg	actttttttt	540
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gcagaaaaac	attccactca	gtnttccaan	tggcttntta	aggaattctn	gaccttgcaa	660
ttnatantgg	agnnctttcc	ttaagattta	aagggtttgan	ggngagccnn	aggaattntn	720
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<210> 544

<211> 755

<212> DNA

<213> Homo sapiens

<400> 544

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ggttatgcaa	ctaataaaaa	ctaccttaca	ttaattaatt	acagttttct	acacatggta	180
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caaagtttga	ttttctcttg	tattacattt	tttatttttc	aaattggatg	ataatttctt	300
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tgagagatcc	atcaaattga	acaatctggt	gtaatttaaa	atTTTggcca	cttttttcag	420
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aaattcaaag	aagcttaata	taaaagggtg	cattctctca	ggaaaaagcc	atcttcttgn	600
atatgtcnta	aatgtatttt	tgncctcata	taccggaaag	ttcttaattg	gattttacca	660
gctgnaatgc	tttganggtt	ttaaaaataa	taacattttt	aataattttt	taaaaggaca	720
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<210> 545
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 545						
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attcgtaaaa	tgaatatttt	ctgttttggt	ctgttnnatt	tttttgagac	aagtcttgct	180
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ttccancnan	tcnnttaagc	nnanncatnt	tgaacacntg	agcccannta	nggtcgatgc	600
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cggaaaacat	ttcnttaatt	cgggttnnag	cnttanctat	ttcggaatnc	cttgngtttt	720
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<210> 546
 <211> 989
 <212> DNA
 <213> Homo sapiens

<400> 546						
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aatcgcgna	aataagtntt	gcncactcnn	ntnctancnt	attntccctc	gcnntntcn	720
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ncnatntctn	tnccctncaca	ccctntancn	tntcnctcan	aatgcctttt	ctnccttann	840
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<210> 547
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 547						
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<210> 548
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 548						
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<210> 549
 <211> 812
 <212> DNA
 <213> Homo sapiens

<400> 549

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<210> 550

<211> 742

<212> DNA

<213> Homo sapiens

<400> 550

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cagtgaacgc	ctnactgggt	cgaaccctgg	catcatagtc	agtctgggat	atggcatcgt	300
caagccacgc	cttgaggatca	ctcttcataa	ggttgtagta	ncaggagccc	tctatctttt	360
gtntctctgca	tggaaaggggt	cctcagagta	ctgggtatct	tncttatccc	ttgactctga	420
tagtaaacct	ggccctntca	gcagtttgac	gcctgggtat	ttatggatat	taattagcct	480
gactcaaaca	atgaagcttt	taaaacttcg	gaggaacatt	gtaaaactct	ctttgtatcg	540
gcatttcacc	aacacgctta	tttggcagtg	gcagcatcca	ttgggttaat	catctggaca	600
acccatgaag	tcaanaatag	tgacatgtca	ntcggactgg	ccggnagctn	ttgggtagac	660
catgccatnt	ggcgccttgc	tggtcttcca	tgancctctt	tggcaatcat	gggtcttntg	720
gcgaaccatt	ttgcaaacaa	ct				742

<210> 551

<211> 736

<212> DNA

<213> Homo sapiens

<400> 551

agtctaatagc	tgggtcttgct	ttttctaata	ctnggcgatt	cgtcctgggtg	tcaaacacta	60
taaacctttg	accagctgag	ctgtgactgg	ctgtcacntn	tctgagtcct	gtgtgcacag	120
tantntcctg	ggtcaggtaa	aatccaggtn	ttcaagtttt	aaggnttttt	tgaanaattc	180
gggcttnttt	aanacgatcc	ntgcccant	ccacaagctt	ggtgacagtg	gnttacagtt	240
ngngtggcaa	agccaagtt	gttacactgn	gctttaaaaa	aaatcttatc	tgcattgtatt	300
gttaacttag	agaccatgag	atctatttat	caggaccagg	aagatncaca	cttcagggtcc	360
attgcaactg	acttttttct	tgtttttctt	aaaaccctgg	tggagcctgg	gaagggggcc	420
tccacaattc	tgtggctttg	atattagccc	caattttaca	agcacataca	agccccataa	480
ttgccgcagg	aaaacacaag	atggaaaatg	caataaccca	tgcactgaga	cttagaaaat	540

catccttact	aggcaaaatg	tattatgatg	caataagtgc	cactgggnat	tttnacgttg	600
ggactggnc	ggaactgctg	caaagaaaaa	taacagctcc	ttctccatta	tttacattta	660
agatgttgg	ggggggaagg	ttgggagaaa	ttagttctga	gggtatcata	tgcctttttt	720
aaagaaaatg	ggaata					736

<210> 552
 <211> 733
 <212> DNA
 <213> Homo sapiens

<400> 552						
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agtgtcagtt	ttcctaattct	cagtccaggt	aggatttaaa	aantntctca	agtgttgatg	120
ctntccaagc	ntgttggggg	ggaaggggaat	tgggtgccag	aaaatgggac	tggagtggag	180
aatatctttt	cttttgagag	tnccccaggt	taatttntnc	tgtgcttnat	tgctnctgtn	240
ctttattgtg	aatgttgtaa	catttttaaaa	atgttttgcc	ntagcttttt	aggacttggn	300
gttaaaggag	ccagtgggtct	ctctgggtgg	gtntctataat	gagttattgt	gacccacagc	360
ttgtgtggga	ccacatcact	tgtaataaac	acaaccttta	aagtaacca	tcttccaggg	420
gggttccttc	atgttgccac	tccttttttaa	nggacaaact	caggcaagga	gcatgttttt	480
tnngnatatta	caaaatctan	cagactgtgg	gtatccatat	ttnaattgtc	gggtgacaca	540
tggtccttgg	aactaaactc	aaatatgtct	ttctcatata	tgtgctgatg	gttttaataa	600
atgtcaaagt	tctcctgtta	aaaaaaaaaa	aaaaaaaaac	tcgagccttt	anaactntnt	660
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aagcagtga	aaa					733

<210> 553
 <211> 870
 <212> DNA
 <213> Homo sapiens

<400> 553						
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ataacaactt	ttgctttcaa	agttgggtgg	gactagancn	cncantggaa	ggntggagtc	120
agganacctg	gattnttgng	cccgnntngg	nttttacagt	ntgcctaant	ttntgcagtn	180
acttcntgcc	ancctgtttc	nttacntnca	anagggaag	acantccttg	gccagcctag	240
tttttnagggt	gaacgaaagg	tcnttntcac	tgcntcctct	agtcatttgc	ttcttcgnta	300
attaacacat	cttgagcacc	tgcnatgttc	caggaaacag	agatggcanc	gtgcaagata	360
aagtcacctga	cttctagaga	ctgcatgtta	gtggcaatcg	gcgtntaccc	ggccttnaat	420
aaactactga	atgaaggaaa	attctaccta	caccagacac	aattactggg	gtttctaaaa	480
tggaattatt	ccccggccc	cntgcatcca	gcagcctgnt	gcagggaac	tcctccnaaa	540
ggcttgtaag	gcaaggaanc	cgggacaatg	gcntggctat	ttaagcttnc	aacaagatgg	600
ttacccttaa	gtncctaatt	ccctaacacc	aagggggccc	tttaccagga	aacccaaacc	660
aggttaaaaa	accccaaagt	tgggnaaaaa	gccatttgcc	anccggggcc	nttttaaaaa	720
aaacctttna	aaaacctttc	ccttttaaaa	ctttaccttc	aagntaaan	tttaagggga	780
atgggnccaa	nttttttaac	canccccata	aaaaanttng	gnaatttttt	ttcccnfaat	840
tttttnaant	tccccaaatt	tnngaaaang				870

<210> 554
 <211> 766
 <212> DNA
 <213> Homo sapiens

<400> 554

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acacccagtt	ctnactctgt	catccaggct	ggtgtgcagt	ggtgcaatgt	gggcttactg	120
cagccttgac	ctccaggaca	agtgatctcc	cacctnagcc	tccggaatag	ctgggactac	180
agntcaacaa	cgccccctctg	aaagtaggac	tcttggaat	gaaccttggt	gggagtaaag	240
ctgaaccttc	acctctcctt	tccaggattc	tactccattc	atacggcctc	acactgaatt	300
aatgtttnta	gcagccacat	cacttngtta	cccaattgat	ctagtagtaa	agtcttccca	360
tctnttcatg	taaaaaaaaa	aannnaaaan	gggnnaggaa	ccntnangnt	nnnaanaaaa	420
aaaaaaaaanca	gngngngngc	nttttttaac	ctataacctg	ntttnaggcc	tttccccang	480
ttnttccnaa	ncnnggttan	tagggggccna	aagctaaccg	natttttgnt	cccntnaggt	540
tagggcngaa	attaaccngg	gtttaaagaa	cncattgant	aaagccttgc	ctnggccaat	600
tccgggaaaa	gggaanagcc	tccttggttt	acanattggg	aaaaattggc	cccaangggg	660
gttaaccang	tttgcccntt	aataactnaa	anggattttt	gncaaaacct	ggttccaagg	720
ntttaanccc	aanccttttn	aaanntnggn	cnccttggat	gnaann		766

<210> 555

<211> 770

<212> DNA

<213> Homo sapiens

<400> 555

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tctctgagaa	aactttggtc	acacntccaa	agccagggtg	ggtgcctccn	tgnaggaggg	120
ggctttcctg	gttggtggcn	cagnaggagt	ccaggctttg	taccgtggac	accatgggct	180
atggcaacac	cttcctaacc	atccttccat	gaggacctcg	gnaganagt	gacatgaaac	240
cctttgtgct	ctgaancatt	caacagaagc	tttctgggtc	tgtgcctatt	tctttggcac	300
ttgancgtgt	ttgcagggtc	attacncaca	tgatgaaagc	tctggcccat	agcactagaa	360
ttcatgtttt	nagggtttgt	gagtgtgaca	ggtgctatgg	tttggtatgt	gtttgtttcc	420
accaaactc	ttgcttgaag	tttaactgcc	agcatggcaa	ttggttggnag	gtggggccta	480
ccgggagggtg	attgggtcat	gggggcttga	accctccgga	atagattacn	gctgcctcct	540
ganaaagtcc	tacctgtcat	gggggctgga	tcagtcaaca	ttgannantg	gggttggttat	600
aaagcaagac	tnactcetta	tgcaccgttt	ntttgcatat	gcccctctgg	gggnancttc	660
tttggtgctg	aacatttttg	gacccaacct	aatgggcctt	naccagaaa	nccggaacaa	720
aatgccnnnn	gccattcctt	tnngganctt	tccaacttnc	canaaataat		770

<210> 556

<211> 756

<212> DNA

<213> Homo sapiens

<400> 556

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gcateccgatt	tcttcactaa	aggagaccaa	actggttcct	tgccggcctag	tnttnaagan	120
ctggancttg	aaagtcctcc	ttntaccaac	tccacntcca	cccentnatt	ccenttntcc	180
caaagtncta	ctgntgttgc	ntgacanccc	caaatntgtn	ctgtcaacac	aaacctgcct	240
ttggngtata	aacagggcnt	tacagaatgg	tncaccctat	atatttctgt	tcagtatcca	300
ttcactagtt	cttcattaat	aaatatcatc	ttccccattc	tgctgctgaa	tgccacacat	360
ccatccagtc	tgagaaagt	agagaggcaa	tcatgccaa	aacaagccag	caaagctctt	420
tcaccagatg	tagactgtag	ccctgctgcc	ttccctccag	cgagtctgcc	agcatgcttc	480
ttcatccttt	taatatgtcc	tttgcttcct	acttccctgn	cttccaacat	actgtcactt	540
actctggcag	tcttctgctt	ttcattaagc	ctcaaaatct	cctctgtcta	cttggcacca	600

caagctatgt	cctatatatg	nattttctgga	cttggcangg	atagttcaag	gggtcttggc	660
aagtttttat	ttaccttcat	tattttaaaan	gggccttttg	gggatgttgg	cctntttaag	720
gagccttttt	ggggaaatca	atacttctct	taanaa			756

<210> 557
 <211> 742
 <212> DNA
 <213> Homo sapiens

<400> 557						
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gatttttttg	gttttttttt	ttgntnttgn	caaaagctta	ntcntttcan	ttaaaantgc	120
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aaaaantcag	aaagtttcta	nctttntaaa	ttgggaaagc	aagcantgtt	ttaaaancac	240
tgaaggaatc	tctttnttcg	ngnccttttg	ttaaactcgg	tttaagctgt	agacctnttt	300
taaantaaaa	tttaccacag	aacaggaaat	agaanctgtg	gaagactcga	aatacacctt	360
tgtntcttct	tggtcttcac	ctgctctctc	gctgtctcta	cacacacaca	cacaaacaca	420
cacacaccta	tatttgcatt	aaaaatgggt	agtaaaagca	gtgaagggca	aacagaaggt	480
ccattncatc	aagtaagagg	ttgaatataa	actggacca	gtcttaattt	tttatttcct	540
tcattcggat	ncgtttacta	atttctttgc	tagctttaag	acttttataa	cattcttttg	600
ccctgggagg	gagttgttta	cccctaaact	tggagaatcc	tggccctaga	ataaatgttc	660
cttttaaac	cccanggccg	gaaaattgaa	tncngctgtg	ccaaaaagga	aaaaannnaa	720
aaaaaaactc	gnggcctnta	na				742

<210> 558
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 558						
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tttaataggg	acttncaanc	aaataattnt	cggtttntca	ggtggcagca	agacaagatg	120
gtggatcccc	atgccattac	ctgctagact	cagggttnat	atactgtagt	ggaaagggtga	180
ttccgaagga	atgttgtaag	acaattgaag	tgcagtanca	tcaaagttat	ttgacctaat	240
ggcaggagtt	ncagtaagta	tccactttta	tncaagaaac	antagataaa	ctggaaatct	300
tggagccctt	cctggaactg	gggttaatga	gaagtcaaca	tgggtggatta	ncatggaaga	360
tggagttgct	tagtctccca	ttcaagatgg	agtttcttta	gcctccattg	ataggagagn	420
tttaacaaaa	ncangaaata	agtctttgat	ccattgaatc	tctaagagtg	agcccttgat	480
gactcagggt	taaacagtn	tgagacaatt	taggagatag	ttttgaagnt	caatttgaat	540
tgtaaaaggt	caggattttt	taactttttc	acatctttga	anaaaagccc	atagagcgca	600
agttttcagc	aaganctgga	aancnatatt	nctatggaat	taaatagctc	ctcagggcaa	660
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gatttcttca						730

<210> 559
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 559						
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cggcacgaga	ggaaacaccc	ccttataaaa	ccatcatntc	aggctgggtg	atctgacaga	120
gctagacact	gtcaaacaaa	caaacaaaca	aacaaaaaaa	ccccatcaca	tctcatgaga	180
cttattttact	atcatgagag	cagctcagga	aacacccact	cccgtgattc	agttacatcc	240
cactgggtct	gtcccacaaa	ttgtgggagc	tacaattcaa	gatgagggtt	gggtggggac	300
acagccaaac	cctatcacca	tgtaaaataa	tatctaattt	gtagagatta	aagaacaaga	360
taacttaaat	cttggatgta	agttaagaga	gtggtggtca	gagttaaata	attttaaggt	420
tcattttattg	tctggacaag	aataaaaattt	tgattatcag	gaaatacaag	taaaaccaca	480
gggagacatt	gnntatatcc	aaattgtcaa	aaattacaaa	gtctttataat	accaagtttt	540
gctganggtg	tggagcaaca	gaaacttttg	ttcactggtg	ggtatataaa	ttgaataatt	600
tcagcttgga	cattacctag	caaaattgaa	ggctgtatac	gtacatacct	accaatctag	660
caattcactt	ctagatatta	agtcttgaaa	aactcacatg	tttccagaga	cgtgttaaaa	720
ggtggttaaa	tcattntgng	aat				743

<210> 560
 <211> 833
 <212> DNA
 <213> Homo sapiens

<400> 560						
atccngttct	ntannnnngtc	tngttctttc	tncacgaten	nntgcgattc	gaattcggca	60
cgaggggtcc	tgggtgggagt	tccatccagc	agtgagtgca	ttttttcccc	agagcagtta	120
agggtcttat	taaaagccac	cactttgctg	aggcctgtac	aggccttggg	ggtttgggga	180
agagaantaa	ggcaggcact	tgtcccttca	gggagggact	tgtccntact	gggagggttg	240
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ttccacctgg	agaattcctg	agctatgctt	caaacctctt	ttggggccagg	gaaagactgg	480
gggacatttt	ttagtcaagg	atgctttaaag	aaagtaaatt	cctgcttggg	ggcccaggcc	540
ttcttttttca	agggtctgct	tgtgaatgcc	caacccaaaa	aaagggggccc	ccaaggccca	600
atcccttact	tccctnggtcc	ccccaaaaag	ggatnccaan	ttgggggaatt	gggaaaactt	660
gggcanncac	ccnaanccca	ctttggtagg	anttnaccaa	ccaaccaaac	ccaaaaccan	720
cccacccaaa	ttnaaaaaaa	ggccaaaacc	accaaccaac	cnaaacccnn	annnnnnnnn	780
nannnnnnnn	nnnaaaaaaa	ctttgangcc	ttttaaaaaa	tntttngngn	ggn	833

<210> 561
 <211> 773
 <212> DNA
 <213> Homo sapiens

<400> 561						
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ggcacgagga	agaggaggct	gtgtatgagg	aacctccaga	gcaggagacc	ttctacgagc	120
agccccact	ggtgcagcag	caagggtgctg	gctctgagca	cattgaccac	cacattcagg	180
gccaggggct	cagtgggcaa	gggtctctgtg	cccgtgccct	gtacgactac	caggcagccg	240
acgacacaga	gatctccttt	gaccccgaga	acctcatcac	gggcatcgag	gtgatcgacg	300
aagctgggtg	cgtggctatg	gccggatggc	cattttggca	tgttccctgc	caactacgtt	360
ggagctcatt	gagtganget	ganggcacat	cttgcccttc	cctctnaaca	tggcttcctt	420
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gcagcaatgg	cctgggtgatt	nccacacatn	ctttcttgca	ttcccccgac	cttccagaca	600
gctttggctc	ttgcccctga	caggatactt	gagccnagcc	cttgccctgt	ggccaaaccc	660

tgaattgggc	cacttgccaa	acttgcnngg	gaaagggttc	cttgaaacaa	ggggggccatt	720
tttggggaag	gcttcttggc	ttggcctttt	ggcatttnaa	tttggccttt	ttt	773

<210> 562
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 562						
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cgaattcggc	acgaggccac	cggctctctc	ctaactctga	cattntatct	tgggtatttc	120
tgggcgggca	gttcctttgc	atgtttcggg	agaggtttgt	tgatttgggg	cttatatgtc	180
aggcctttgg	tttgcgctct	atcttagggg	ttgtttgggg	gcctgggtgg	tcggcctcac	240
atgggaagg	gatgggtagt	ggatgggggt	tctgtcgnat	cttgnggccg	gtgattttgc	300
tnnccgncgt	tttcacattc	ttccccctcc	acaagccaaa	tcgttcattt	ggntncactg	360
tgtggactgt	ctgagcttgc	cctgccagaa	aaatttgggg	ctaggcaccc	aggtgcanac	420
tttgggaaga	gcantccacc	tgtgggtacc	gcattctcgt	ngtcccactg	gcaggctgaa	480
cctacttgaa	catggaaaca	gcattgccat	atggcaaagg	ggccnnnacn	nnngnnnaaa	540
tnnannannn	ncngacannc	nnccnaatca	ngannntcna	cannnatcnn	annnnanccn	600
nncaantacn	ncnaaaacac	accnnccana	annnnnaann	nnnnnnccnn	nnnac	655

<210> 563
 <211> 738
 <212> DNA
 <213> Homo sapiens

<400> 563						
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ttcgcagaaa	agagtatagt	aggggatgac	caagggtcaa	gtgggttaaag	aagactcatc	120
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agaaaagcag	cagcaatttg	agaatctgga	tcagcaactt	aggaaacttc	atgtcagtgt	420
tgaagccttg	gtctgtcata	gaaaagaact	ttcagccaac	acagctgcct	ttgctaaaag	480
tgctgccatg	ttaggtaatt	ctgaggatca	tactgcttta	tctagagctt	tgtctcaact	540
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atatgttttc	agaactactt	aatgactaca	ttcgcttatt	gctgcagtga	aaagngtggt	660
tgccatcgat	gaatgctgca	gaaatgggaa	gatctcaaat	tctttgctca	aaaacgtgaa	720
cttaacccaa	atgatggt					738

<210> 564
 <211> 798
 <212> DNA
 <213> Homo sapiens

<400> 564						
nggggngtct	aatgctgcnc	nnatcnannc	anggnctcgc	ctctngctcn	acnnanaagg	60
cgntgngtgt	gccaccacac	ccagctcatt	attattatta	ttattattat	tattttgaga	120
cgaagtttca	ctcttatccc	ccaggctgga	gtgcaatggg	gcgatactgg	ctcactgcaa	180
cctctgcctc	ctgggttcaa	gcgggttctc	tgccttggca	ggcacctgta	gtgtcagcta	240

ctcgaagctg	aggtgggaga	atcgcttgaa	cctggggggg	ggagattgca	atgggtgtggt	300
ctcggctcac	tgcactcgag	cctggcgaca	gagcaagact	ctgtctcaaa	aaaaaaaaaa	360
aaaaaaactc	gagccntnna	actattngng	aggtcgtatt	acgtagatcc	agacattgat	420
aagatccatt	gatgaagttt	gggccaacc	ncaacttgaa	tgcnnngaaa	aaaagcttaa	480
ttgggaaaat	ttgggaatgc	ctatngcttt	atttggaacc	ctttntaagc	tgcaantaaa	540
acaagttaan	caccncccaa	ttggcntcca	ttttaatggt	tncagggttn	aggggggaag	600
gttttgggaa	ggtttttttna	aattencggg	ccnnggggnc	ccaatgcttt	ggggccccgg	660
gtncccaann	ttttgggncc	cttttaangg	gnnggnttan	attggcccc	cttgggggna	720
aaancgnggn	anatacctng	gtccccctgtg	nanaaatngg	nttcccntta	caaaatttcc	780
cacnnanatt	tnngnncc					798

<210> 565
 <211> 744
 <212> DNA
 <213> Homo sapiens

ttntnngttt	naatnntcnn	ggnttcgntc	tnnctcnaaa	nanaataggt	ttggcgaatt	60
cggcacgagc	atgctggcca	gcatccctgc	ctgtgcaagc	tctggatgag	ctgtgtgccc	120
ctgccacnca	caccnngcac	tccctgccag	cctggcctca	gggcctctga	tccatgtgca	180
ctggagtggg	gatgactgac	agggccactg	gggcatttnc	acgttaacag	cagctgccac	240
tggcaaaaaga	agtgactcgc	caatgggtggc	atctcagatg	tgggccccagg	agtctgggga	300
gctactttga	acagggttat	ccattcattg	tcccaccaa	ggctatggag	cccacccacc	360
atgtgctgga	gtagtcaagg	gaaataagac	actctccttg	tccttggtta	ctcaatcaac	420
aagcatttgc	agagcaccgc	ctatatgccc	gcgctgtccc	aagtgtgtaa	gatacagcaa	480
tgagctaagt	aagcactgac	ttcgtagaaa	accataacat	cggccatctt	tggaaaagag	540
aaaaacaatg	gagttactta	tttaaaaaaa	aaagaaagaa	agttatctct	tccanganag	600
gctagaagta	cttttctgct	ttttggccag	tgcccantgg	aatgcctggg	ttggggggaag	660
aagaagggac	tgggttaact	gtggtgcttt	tggtgtaaaa	aggcanctgg	cctttgtact	720
tgaggagaaa	natggagcct	tggg				744

<210> 566
 <211> 756
 <212> DNA
 <213> Homo sapiens

gnagtnntat	tgatttntct	ccgtgaatcg	ttctnnctnn	annanaagtg	ngttnnngccg	60
ctggctatgt	ggacgctggg	gcagagccag	gccggagtcg	aatgatcagc	caggaagagt	120
ttgccaggca	gctacagctc	tctgatcctc	agacgggtggc	tgggtgccttt	ggctacttcc	180
agcaggatac	caagggtttg	gtggacttcc	gagatgtggc	ccttgcaacta	gcagctctgg	240
atggggggcag	gagcctggaa	gagctaactc	gtctggcctt	tgaggtaatg	gggggtggcg	300
gtggtggggg	gtgcttantg	gctatgctca	ccccgctnca	ttangcctat	tttgggtctgc	360
tgtttccaaa	tgcttctana	tctaggcatt	tggtatccaa	cctattgccca	cantgcctan	420
aactncaanac	cccngccnc	tatgntnana	cctacttggc	acaagaacaa	nngnanacnt	480
tgnnnatatn	ccanaangnn	naanattaca	nantnttata	ataccaattn	ntnttgangg	540
tgttnnnnnc	anaaacnttt	gntnacngnn	nnnnntatna	atnnataatt	nnnnntttgn	600
nancannanc	tatgnnnaat	taaangnntn	tntncnnnnc	nnnacnnnna	nnnnnnnttan	660
nnanttnenn	ttnnnnntnn	nnnnnnnnnt	tnaanaant	nnnnnttnat	nnnannnnnc	720
nctnnaangt	ntntttnnnn	nnatnnnnnn	nnnnncg			756

<210> 567
 <211> 746
 <212> DNA
 <213> Homo sapiens

<400> 567

gnntgtnttt	nnennnnnn	anganagagn	tactcgctct	ntctctacga	tanantgngt	60
tncgaattcg	gcacgagatt	tcctccagtc	ctgggccccca	tccttnaggg	ccttcccagc	120
cagccagcag	gagaggcaag	aactggggga	acacaggaac	ctaggggagg	aggggagcgc	180
tgggcaccc	caggctggcg	gccaagcctg	cccctggagg	cactagagga	gggcacccgt	240
ctgtgggagc	ccagagctgc	agggaggagg	aggaggagg	tatctgggtg	gagcggttgc	300
cctgcgacat	ttgggaccac	acaggtgggc	ttccttattc	cctgacaaag	cctctgtttc	360
cagctcttcc	gccctctctg	gatgagggaa	cagaagtggg	ggaaacaaaa	gaagcagcag	420
cacgcacagt	cctgtcgctg	ggtgcggaga	cagcctggca	aagtccact	cagccatggc	480
ctgatgcang	ccccagccct	nccttcttgg	gtgtcaaatg	actgtgtcct	ggacatctga	540
tgcaccacct	gccctgcctg	ttgcaaactg	gatgctcccg	gatggaatgg	agaaactagg	600
agactgggac	aagcaaaaang	ctgcaaacaa	cccagaaccc	attcttagaa	nactggagaa	660
atgattgagg	aatcattggc	accgtggnc	tgtgcttcat	nacaaacacc	tttnagaaca	720
acttgggatt	gaaaaaccaa	gacant				746

<210> 568
 <211> 738
 <212> DNA
 <213> Homo sapiens

<400> 568

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ctgggcagcc	tacgctttcc	ggataaaaat	ggcagaatga	aagaaattat	gagtggaaact	120
agagaatagg	aaagacatga	accaacgccc	aaaatgagaa	agaaggacat	ataaagaaaa	180
agacaaatac	aagtgaaaaa	aatagactaa	tggattaacg	tcctgtcgt	gtgacatttt	240
ctgctatgga	aatgatatta	gacaaaaagc	acttcaagt	gttttcttat	ttgagttcaa	300
aatgggtcat	aacgcagcag	agataacttg	aaacatgaac	agcgcatatt	gcccaggaac	360
tactaacgaa	catacagggc	agctgtgatt	caagaagttt	tgcaaagcag	actagagcct	420
tgaatatgag	gaacacagt	gccagccatt	ggatgcttca	cttcttgaag	catcttgaca	480
gctttttgca	ggtgaaatgc	ttncacacca	gcaggatgca	gaaaaatgct	ttccaagagt	540
ttgttgaatn	cagaacatgg	atgtttatgc	tgcaggaatt	aacaaattta	tttctcgttg	600
gcaaaaaagt	gttgattgna	atgggtccta	tttgattaat	aaagatgtgt	ttgagcctaa	660
aaaaaaaaan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnat					738

<210> 569
 <211> 753
 <212> DNA
 <213> Homo sapiens

<400> 569

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gctggaggag	aggagctcag	agttctacag	agtctttnt	gaacaatatc	agaaagctgc	120
tgaagagggt	gaagcaaagt	tcaagcgata	tgagtctcat	ccagtctgtg	ctgatctgca	180
ggccaaaatt	cttcagtgtt	accgtgagaa	caccaccag	accctcaa	gctccgctct	240
ggccaccag	tatatgcact	gtgtcaatca	tgccaaacag	agcatgcttg	agaaggagg	300

ataaaaaactt	tcagaatgag	caaaacacca	tcaacgttaa	ttccagagat	ggaacatttt	360
ttttcctagt	gagaaaacaa	cccatttgaa	gagaagaccc	taatgagaag	accctaaaga	420
gagacatcaa	gaatggattc	agcagaatca	tttcacgttt	tgaacagcag	cagtttgaan	480
ggccaaagcc	tttgatcagg	gatcccgtca	ttaaaggaca	ctcttgagta	ttagtaaacc	540
ctcttatgat	gattaaaaga	gaagggcagc	cctnttcacc	tttttgggtct	ttctattcaa	600
cttgccctgac	cataaaatgg	ttctcttctg	nacaaagccc	catcatttgg	tgaacctcac	660
ccttaacaaa	gtaggattgg	ggttgggggg	cttaattaat	tggaatgggg	ccaaggagaa	720
gagcccgaaa	ccttagatnc	canggnana	agt			753

<210> 570
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 570						
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tgcgaattcg	gcacgagcca	ggccccaata	atctgggntt	naaactttga	ggaaatgcca	120
gtgacttatt	ccagagtgcc	tcagttaggg	gaacttctct	gtaaagaacc	ctgggtattg	180
agcaaaaacc	ttattatcgt	taatgaccta	taattggaag	cttcctgcct	ttttctttgg	240
ttgctcctgt	ggaaaatact	gaaaagatta	ctttgtttta	ttttgttgtc	tttttataaa	300
aggggaggtg	gagagacccc	ttcagagcag	ggattgtgcc	gggagagtgc	ctctgacttt	360
gggacatttc	atccacagaa	attncaagc	caatggtttc	ttttgggttt	tgggttttta	420
tgtttgnttt	ttgggggttt	ggaaaaacat	gcattttttac	cgtgcacgta	aaattgggtca	480
nagaaaaagg	gagcccagaa	aangcagcan	atgggccatg	cccctttgct	gggttttcct	540
tttcttttgg	gactgtnaag	gggaaatggg	tttttanaag	gtgaagggtt	ggtcctgttg	600
gaaggaaaag	aantgtctct	gttngggggg	acaanaaggn	acccttgggg	gaggtccatt	660
cgcaatggtg	cctaccaaaa	cnnggntctt	taanaacacc	ngggcctttg	ncccaggnaa	720
aaaaccctgg	gcccctttaa	naaacttttg	nanggaacc	ccggaaaacc	cccttggggc	780
ttnccaaate	ttttttccca	aagnnccccc	cgggggggccc	aaaaaaaaac	ct	832

<210> 571
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 571						
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nnagcccata	gatgcgaatt	cggcacgagg	ctaggattac	aggtgtgagc	caccatgccc	120
agccacttat	ctttaaagga	ttaagtttat	gtttcctact	atgggaaacc	atcccacccc	180
aaacttgatg	accgcattat	gtgcttttat	agaacatggc	acttctccag	gatagcattt	240
attctgtttt	gtaagtgtga	atgtaattac	cctacacaca	gcatacacat	aatcttcata	300
ttctttgcct	tgtcttgtga	aggcaagggc	catgtctatc	ttattcgtca	ttagattccc	360
acatccaaca	tagtcctggg	gacagcacca	atgcactttt	ggtgcataag	caaatagtgc	420
atztatagct	cttacctaca	atatctgata	gactaatcaa	atatagtagg	ttatctgggc	480
ctttttgatt	catgtctcta	gcttaacttt	catttttttc	ttatttggta	tctctcactt	540
tgccttttga	tatactctta	cagtttcgct	cactgagtaa	aagaaaatnt	aaacagcaag	600
aagtaaactt	gtgttttatg	gatttngata	acatcttcta	aaagaccccc	caagattggt	660
gatgtctaaa	aaaattaaag	ggccttcaac	tcataataat	acttaatagt	tcttaaaata	720
ttacaaactg	attggaacat	tgcctaac				748

<210> 572

<211> 755
 <212> DNA
 <213> Homo sapiens

<400> 572

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ggtatcccnt	gcatncgaa	ttcggcacga	ggctgagcac	ctttggaaac	aacattttaag	120
ggaatgtgag	cacaatgcat	aatgtcttta	aaaagcatgt	tgtgatgtac	acatttttgta	180
attacctttt	ttgttgtttt	gtagcaacca	tttgtaaaac	attccaaata	attccacagt	240
cctgaagcag	caatcgaatc	cctttctcac	ttttggaagg	tgacttttca	ccttaatgca	300
tattcccttc	tccatagagg	agaggaaaag	gtgtaggcct	gccttaccga	gagccaaaca	360
gagcccaggg	agactccgct	gtgggaaacc	tcattgttct	gtacaaagta	ctagctaaac	420
cagaaagggtg	attccaggag	gagttagcca	aacaacanca	aaaacaaaaa	atgtgctgtt	480
caagttttca	gctttaagat	atctttggat	aatgttattt	ctatctttat	ttttttcatt	540
anaagttacc	anattaagat	ggtaagacct	ctgagaccaa	aattttgtcc	catctctacc	600
ccctnacaac	tgcttacaga	atggatcatg	tcccccttat	gttgagggtga	ccacttaatt	660
gcttttctgc	ctccttgaaa	gaaagaaaag	aaagaagact	gtgtttttgc	cactgattta	720
accatgtgaa	actcatctna	ttaccctttt	ctngg			755

<210> 573
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 573

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nacnnntgc	gntncgctca	cacagcatgt	gtcagatcca	tggggtagga	gtcggccaga	120
gacttggtta	cagacagatt	gctggatccc	acccttagac	tctctgattc	agttagtgtg	180
gggtaaggcg	caagactgaa	tttttcacaa	gtttcccagt	gggtgctgata	cttctggtec	240
aggaacttag	tggggagaga	acgactaatc	tagaccattt	cacttcacat	tctgagcttc	300
ttgtcactgt	cacactgcat	ccttttaaca	atgcattccc	tatcctattg	caatactgac	360
atctcatcaa	tatttttaaaa	catgcgtttt	cagaaacaat	attttatatc	aaatactcac	420
tttttagtaat	atctctgcaa	ttttgcccta	tggatctgag	atctaacaaa	tactattctg	480
gacatgggct	acaacagttg	aggctggaag	taaaaatgtt	aaaccctgct	gaccacgtta	540
ttttaaaagt	tatttttagtt	agaataata	tggcttagga	gcagggctaa	acagtagcag	600
tcacatgggg	aatgatactt	tgcttttgca	cataaaatgt	cctgaaggga	aaaaataaag	660
cagaaaattn	ncagatgaac	tgaaaatctg	tacaaatgtt	gggctgaata	ctgccagcgt	720
tgangtgtag	gaaaatgaac	cnt				743

<210> 574
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 574

ccgtcta	atg	gnttcta	atcgctttct	taangetcnn	gggctcgntc	tcnctncacg	60
cagcccggcg	gtgcgaattc	ggcacgaggg	gattacaggc	atgaccacc	gcgcccagcc		120
tgtnatttct	tatactntgt	atcttggnct	tgtattatgc	ttctgatacg	ctataattat		180
ttatgtccat	gtncntttct	tcaatagact	gtgaactctt	cgaatgtngg	actcctagag		240
ctagatnctc	nattattnnn	tattaaattg	aatgacttgn	aactacagat	cctttattta		300
aacttcccaa	atctctgctt	tatctagcnn	actctttaaa	ttcttttatc	tcatgtagat		360

ttcanaggct	gaaataattg	agatttttag	tttgaagaaa	agagaactgn	ggattttaatg	420
gcnttattat	tatatattta	atggctgttt	gggagtnagg	ttgcagacat	tggtcacttt	480
cctcctaaat	ncttaaatat	ttcctaaaaa	caggncattc	tttntttnt	tatggagtct	540
ggctctggcn	tccaggctgg	antgccnggg	cccatcttgg	cttactgcag	ctccccctcc	600
cgattcncgc	tgggtctcctg	nctngctgct	cgggaggctn	aggccnggga	atcgttgacc	660
cgggaggcgg	aggttnenat	agcctnnacg	ggccctnggn	ctcccggctg	ggtaenngac	720
cggacctccg	nctgnat					737

<210> 575
 <211> 766
 <212> DNA
 <213> Homo sapiens

<400> 575						
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ggnatcccat	cgattcgaat	tcggcacgag	ctttctccct	ctgtgcctcc	tgtttccttt	120
ctctctcctg	cctctcctct	gtcccccatc	ccactttctc	atctgcctcc	ttttctcact	180
tctgtcagtc	tgtaagcttt	gataacctgc	ttaatactcc	aaagtgtgag	ttcctctgat	240
ctcttgattc	cttagttcta	atctcacgtt	ttgtttttta	gagatggagt	ctctcactct	300
gtggcccagg	ctggagtgc	gtggcatgat	catagctcat	tgcacccctg	aaatcctggg	360
ctcaggtgat	cctnccgcct	gagcctcctg	agtatctggg	actacagatg	cgtgccacca	420
agcctggcta	attttgtctc	atgtcttcta	aaaattattt	tgtgaagccc	cttcacaaaa	480
aaccttaang	gaaatctgat	ggtgctcagg	aatctaactc	tccctaaacc	atcctctttt	540
aactgcttct	aaaatatctc	tgggtggcctt	tcttagcctt	tttctgggtc	attcaatgct	600
tcaaagcgt	ttttgnttct	aagttgagtn	ctttgggggt	ttgacaggta	gtgacgtgta	660
gttttgacac	tgtaacttg	ttnaatacag	tgaaaangtt	tgtgaagtga	aaaatgcttg	720
anaaagaatg	gnaatgcctt	tntacaaata	aaagtnttgt	taaaat		766

<210> 576
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 576						
ggggtnnnna	gngnnttgan	cccctttctt	attatcaagg	ngctngcnct	nnctnnannn	60
ancacaggcg	ntgngaattc	ggcacgagaa	gataacctct	taatgcattc	atgttggtata	120
tgaaggaaat	gagagcaaag	gtcgtagctg	agtgcacgtt	gaaagaaagc	gcggccatca	180
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taaagttttt	ttccccctta	gcataagcat	cttatatata	acaactcatt	tgtacaagggt	360
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ttctgtatga	aaccagatg	tcaccaaattg	gacattaata	gttgcattaa	ggatcagtag	480
cattaacaaa	agttgcttta	aaagccatta	tgtaaaacaa	gacttgaaaa	tgagtgaggg	540
aatttttagcg	acactgtctg	agcacagtgg	gaaccatctt	cgtttccctt	ttgaactcca	600
antgggatgc	cctaccctgg	cgcctcttag	gaccccgagc	tggcccgngt	acaaaacttt	660
accgtgccaa	aattctttaag	tgaatttacc	tttctncttc	tttttgaagc	tngaaatttt	720
tggatcatcan	gntttgcttg	tgatngtaca	tanggtngaa	n		761

<210> 577
 <211> 803
 <212> DNA

<213> Homo sapiens

<400> 577

gggtngttnn	nnngtggnt	tnttnnnngt	ttctaantnt	cgngngntc	ganctnnctc	60
nananagaat	aggtttgnga	attcggcacg	aggctctccg	cccggcgccc	ccagtgtttt	120
ctgagggcgg	aatggccaa	ttcgggcctg	cagttgctgg	gcttctccat	ggccctgctg	180
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gagtttgac	aaaccacaac	tagaatgcag	tgaaaaaat	gctttatttg	tgaaatttgt	420
gatgctattg	ctttatttgt	aaccattata	agctgcaata	aacaaagtta	acaacaacaa	480
ttgcattcat	tttatgttca	agttcagggg	gaggtgttgg	aggtttttta	aatnnncggc	540
cncngcgcca	atgcattggg	ccccgtaccc	acttttggtn	cctttaantg	aagggtttta	600
tttggccenc	tntgccgtaa	ttcatgggnc	atanncttgn	tttcttgng	ttgaaaattg	660
gntaatcccc	ttcnacaaat	ttcnccaca	atcatttacc	aaacccnngg	gaggcctttn	720
aaagnngtna	aaanccctgg	gggtggccct	taatttaagt	ggnnccctaa	ctcnenttta	780
antgccttgg	cccttccactg	cct				803

<210> 578

<211> 738

<212> DNA

<213> Homo sapiens

<400> 578

tcgtcccntn	gateggggta	acgtccttnc	ctatnaaant	tctttcggga	aagcagaaac	60
caagctggca	gaagcacaga	tagaagagct	ntcgtcagaa	aacacaggag	gaaggggagg	120
agcgggctga	gtcggagcag	gaggcctacc	tgcgtgagga	ttgagggcct	gagcacactg	180
ccctgtctcc	ccactcagtg	gggaaagcag	gggcagatgc	caccctgccc	agggttggca	240
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ctttgtgagc	tgtgagtgcc	tcctgtggtc	tcaggcttgc	gctggacctg	gttcttagcc	360
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ttttttacct	cacacccaaa	gcattttgcc	tacctgggtc	agagagagga	gtcctttttg	480
tcattgccctt	aagttcagca	actgtttaac	ctgttttcag	tcttatttac	gtcgtcaaaa	540
atgatttagt	acttgttccc	tctgttggga	tgccagttgt	ggcaagggga	ggggaacctg	600
tccagtttgt	accatttctt	tgnatgtatt	tctgatgtgn	tctcttgatc	tgccccact	660
gtcctgtgaa	ggacagctna	ngncaaggag	tgaaaaactt	tacttcttaa	aaaaaaaaan	720
nnnnnnnnnn	nnnnnnnaa					738

<210> 579

<211> 758

<212> DNA

<213> Homo sapiens

<400> 579

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attnggcacg	agacagagtc	ctgaaatatg	caaataaggt	aaattctgat	gctggcgctt	120
tcaagaaaca	gcctaaagga	cctgcctgat	gtgcaagagc	tcatcactca	agtgcggtca	180
gagaagtgct	ccctgcaggc	cgaagccatc	cttgatgcaa	acgacgctca	tcâaacagag	240
accttctcct	cccaagtcaa	agggacaaat	aagcctctgg	gttgaaacgg	ttgagacatt	300
ctgccttgga	ccttcccttg	tcaccaaaaca	agccaacctt	gtgcacttcc	accaggcttt	360
caccatttcc	ctgcaagcct	tggctctttg	acctggccct	caacctatgt	gctttccacc	420

ccttgaggac	aagttggaac	agaagaccaa	gagtggcctc	actggataca	tcaanggcac	480
ctttggattc	aggagctaac	caggctcttn	ctcgggggcg	ggggagattc	tgactcttaa	540
tctggattgt	gagaaaaatc	cagcaagttc	catgatattt	aaatccaggt	ctgcattggc	600
ccggggcaag	agtttaacat	cttcggggccc	tgcatttcct	acatcttggg	gtctgtacac	660
gttcttaagc	aagcgtgtca	ngagagcacc	ctgttggcct	cttggtaaaa	tgtgtgcaag	720
gtcatnctgt	cttctgnacc	ttctggggaa	aagggncc			758

<210> 580
 <211> 816
 <212> DNA
 <213> Homo sapiens

<400> 580

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nantgccenc	gattcgctgn	caagtctgga	antcatattg	gagcctgngt	ngactgaaaa	120
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<210> 581
 <211> 868
 <212> DNA
 <213> Homo sapiens

<400> 581

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<210> 582

<211> 745
 <212> DNA
 <213> Homo sapiens

<400> 582

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<210> 583
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 583

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aagtttggct	gacatagctt	gcttctagta	atctgaatgg	cttattttaa	taaagttgga	600
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<210> 584
 <211> 773
 <212> DNA
 <213> Homo sapiens

<400> 584

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ccagcacttc	agtcaccctt	tatcccatta	ctctgctttt	tcagaaacat	tgggtgctccc	300
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aaaagcattg	aaccttcaaa	agtnaaaact	ttatnggncc	aaaatctcaa	ttactggggg	720
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<210> 585

<211> 745

<212> DNA

<213> Homo sapiens

<400> 585

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<210> 586

<211> 749

<212> DNA

<213> Homo sapiens

<400> 586

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gtcttattaa	nagccaccac	tttnctgang	cctgtacagg	ccttgngngt	tngnggaaca	180
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gtacgaccaa	cagtcaanga	aaagtgccaa	gatatatcta	tcccatttct	tctacacctg	420
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aatgatgctg	acaattaatt	actgggtgngg	ccaggcatat	nttcacggct	gcttgtgatg	540
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atgggaagct	gnnannacca	acccaactnn	tgatttacca	ccaacnccaa	anatcacgca	660
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<210> 587

<211> 783

<212> DNA

<213> Homo sapiens

<400> 587

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acagtaacct	gtaaggcata	taaagtagct	atttttagtaa	gataaatgat	attttatata	480
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atnntntann	attnnantaa	naanaaaaac	ttcgagccnt	tttnaaactt	tnantggagt	660
cnntttntcc	cgtaaaaatcc	nnnacttttg	atnaaanann	catttngatn	aagttttttg	720
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<210> 588

<211> 771

<212> DNA

<213> Homo sapiens

<400> 588

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tcataacaaa	aatatgtatt	tctttttttgt	tatttttatct	tgaaaacggg	acatatattta	180
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tnntttttgaa	aagatgaacc	aaaggatttg	actgctaata	ttttattcct	tacacttttt	480
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gccatttgta	aaatnanaat	aagagcagaa	aaaacacaaa	nangagaaca	ctggnttcag	600
acattcantg	gggcaagtta	aattatggga	ctgcaaaaat	aatggatttt	ttattcaaag	660
aaaagcttta	aaaagtttta	ttatccanat	ttacaaccca	ctanttaagc	taaataancc	720
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<210> 589

<211> 844

<212> DNA

<213> Homo sapiens

<400> 589

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caactgggtt	cccatggcat	gtgggtggcct	tagaggaggt	gttcagcctg	ccaccgtcgg	180
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<210> 590

<211> 767

<212> DNA

<213> Homo sapiens

<400> 590

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<210> 591

<211> 765

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 757

<212> DNA
<213> Homo sapiens

<400> 592

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<210> 593
<211> 766
<212> DNA
<213> Homo sapiens

<400> 593

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<210> 594
<211> 754
<212> DNA
<213> Homo sapiens

<400> 594

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<210> 595
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 595						
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tatatagagg	catnaacctg	ttcatatctt	tctatttaac	agaactgtgc	acctggggcac	360
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cangatctta	tgcaactggt	ggaaagaatg	aagcgatgct	gcactgtggg	catgcagtga	480
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<210> 596
 <211> 743
 <212> DNA
 <213> Homo sapiens

<400> 596						
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<210> 597
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 597

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nanaggcaga	ngtggccctg	ggaacagagt	tttatgacnc	ttttnaccat	anangaangn	180
gagaatttna	aagatatggg	gggaatgaca	aaatagcagn	cataactgaa	gacaacatgg	240
gtggatgtgg	agtttgggnac	ctnggggatcg	ngnaaagata	ccagtgatgt	ggagccaact	300
gctccgatgg	aggaacccac	agtgggtggag	gagttccant	gcancngga	agaggagtat	360
ccagcctaag	tttctgactg	gatgtcaaga	agaaacccaa	nttataanag	atgactntan	420
ntgantggnn	aaatctttca	gatcanncca	gaccatanen	tgagtttaac	atccgnaanc	480
cacaatccan	tgnnccttac	taagccgtgg	tgattnacaa	gtcataaatc	cattanatga	540
tgtggtnaaa	gatgcctatn	atgaccnatt	ctccatngtt	ntccngaaac	ccgtcaattg	600
acatcacatn	tcctnttgga	gattaaattt	tnggtnanen	tnccttcgtc	cttgggcatt	660
ngaacncata	agaatgcacc	cccnggntag	gccngtnna	aaggttnatg	aaggccntta	720
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ccagnt						786

<210> 598

<211> 809

<212> DNA

<213> Homo sapiens

<400> 598

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caccgatgga	ggaacccaca	gtgggtggag	agtcccaggg	caccccggaa	gaggagtctc	360
cagccaaagt	tcctgagttg	gaggtagaag	aagaaaccca	agttcaagag	atgacttttag	420
atgagtggaa	aaatcttcaa	gaacagacca	gaccaaagcc	tgagtttaac	atccggaaac	480
cagaatccac	tgttcttcca	aagccgtggg	gattcacaag	tcaaaataca	tagatgatat	540
ggtaaaaaga	tgactatgag	gaccattccc	atgttttccg	gaaaaccccc	cattgacatc	600
acattccaac	ttggagatta	aattttgggt	aacccttcct	ttgtnccttg	gccttngaac	660
ccntgaagga	aggcaccn	ggtgaagggc	ccngggggaa	agggattcan	ggnaaggggc	720
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<210> 599

<211> 759

<212> DNA

<213> Homo sapiens

<400> 599

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gaaacttcaa	gcaaattgga	aaaagaaact	tgtaagaaat	cacaccctat	tctatatgtg	180
tcttctaaat	ctactccaga	gacccagtgc	cctcaacagt	aaagactttt	ctttaataag	240
agtacggtgc	cacttgccctc	aaaagttact	atggtgctta	agattgtctt	gatctgacat	300
atatcacctt	ctgggttatt	tactcattgt	gccaggacct	ggcattttca	tgtgcctttg	360
accaagtgtt	cagaatttgc	ttgactctaa	cctggagagc	ttcttaagtg	atgccccttc	420
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tctatttgct	gcattgtata	tgattataat	gataaaaaac	aagtaatcta	ccctcagagc	540
catgtatttg	agaatgcttc	aatcatattt	tcctatgtac	ctttttttta	taaacttagt	600
tttagactat	gttgtaaaaa	tggggaaagg	ttgtaaacta	tgtngtaaaa	aatngggaaa	660
tgtggcttta	aaatatatnc	attatatattg	gttcaaggat	tttggcaggg	gntaaaggaa	720
ncnatgggtc	aatctttgna	tttatatacc	ntgattttaa			759

<210> 600
 <211> 769
 <212> DNA
 <213> Homo sapiens

<400> 600

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acagatgcct	gtgcaccaa	gttcacggca	gcattcctcg	ccatagtggc	agcatccgtc	180
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gctcacgtga	tgtgtcccga	atgggcacnt	tcagagggga	agaanggaga	tggcgcttga	600
cngtgnccgg	gacngggggt	gggagcgacc	ggttggttgg	ttnggggttc	tttctngggg	660
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<210> 601
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 601

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gctttgggtga	tnagagtgga	tgggtgctgn	anctnctggt	tcangcanct	atttctggcc	420
agcagatgta	nnctatatct	gtgattactg	gcatttggtc	acagagagtg	ctggataaca	480
gtgtagcctg	cctgtacagg	tactggatga	tctgnaanac	aggctcagcn	atactcttac	540
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acaatggaat	atgatccctt	aactcctgat	ttgggatcat	ctgaaggacc	aaggngggca	660
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<210> 602
 <211> 773
 <212> DNA
 <213> Homo sapiens

<400> 602

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agntnancct	agntgaattg	aaacttaaat	ttgaaccctg	nacnanaccg	gttaantgcc	720
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<210> 603

<211> 784

<212> DNA

<213> Homo sapiens

<400> 603

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<210> 604

<211> 801

<212> DNA

<213> Homo sapiens

<400> 604

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<210> 605
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 605

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<210> 606
 <211> 809
 <212> DNA
 <213> Homo sapiens

<400> 606

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<210> 607
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 607

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<210> 608

<211> 796

<212> DNA

<213> Homo sapiens

<400> 608

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taacngnacc	cttaatgggt	tgtacntata	tgntttnaaa	acatgnnaan	aaatatttaa	720
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<210> 609

<211> 790

<212> DNA

<213> Homo sapiens

<400> 609

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 612

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 <212> DNA
 <213> Homo sapiens

<400> 613

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aactttcana	aaagaaaaaa	atgggtcaatt	tantttaact	ctatgtcaaa	aatttattta	480
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<210> 614
 <211> 754
 <212> DNA
 <213> Homo sapiens

<400> 614

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 <212> DNA
 <213> Homo sapiens

<400> 615						
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 <212> DNA
 <213> Homo sapiens

<400> 616						
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<212> DNA

<213> Homo sapiens

<400> 617

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gttaaacata	ctgnnttgaa	aaaagcactn	tatnttntcc	cntnttaana	tggtntctaa	720
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<210> 618

<211> 762

<212> DNA

<213> Homo sapiens

<400> 618

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<211> 754

<212> DNA

<213> Homo sapiens

<400> 619

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gctttattat	tccctcaa	tgaaggaatn	aaaatacaac	cctttcattt	tattaaggat	480
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<210> 620
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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tncatttnaa	tannggatgn	naattatnnn	atcnatgtgt	catatttnac	canganaata	780
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 <212> DNA

<213> Homo sapiens

<400> 622

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<211> 1164

<212> DNA

<213> Homo sapiens

<400> 623

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ntgcatcaaa	ttantaaatt	cncnancata	aagnanatca	cagcctcntt	cnaccnntga	600
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nnatcngcnc	ntanaaatta	aanatcnaan	actcaatatn	ncggaatant	nnentctcta	720
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anntnancat	aaagtcaccc	gcatattnac	cnacgnncaa	cataannnaa	atnctactct	840
cagaccatat	aatntcgcn	tccttanatc	agngcnanan	tacaaanacg	tcgcnnnngt	900
ntggaccaca	cgncntagat	aaacacnnat	aaacantttt	tanatgtaac	acatttcnna	960
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nacaantaaa	nntnanatta	aaaaagttgc	aannatncng	ngaaanntcc	cnanaaacan	1080
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<210> 624

<211> 798

<212> DNA

<213> Homo sapiens

<400> 624

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tgtgtcattc	caaggtttct	tcattgagtc	ttccaagttt	tctagtccat	accacagtgc	180
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accctactta	ttcagtcaat	taagagtaag	tttttttatg	tggttattaa	aacagtatga	300
acaattagtc	taactctgca	tagacagggt	ctagattttg	ttaacccaaa	tgtataactg	360
cagttagctt	aaattacaat	ttgaagtctt	gtggnttnta	tatagctngg	cactttatta	420
ctcttttgaa	ctgaaagcac	actcccttat	aggttcattg	aactgtcctg	taataagggtg	480
cttataaatg	ggaacaacta	cacagcctag	ttttgncaca	acctttagca	tctaaaaaag	540
ttttaaaagc	ttcttaaatg	nctaataata	anggagatgc	tnatanccac	aacatctatt	600
ttaccaatat	tngtttcctt	acacttacct	tgggantttg	cattgagtga	ngttttngta	660
aaccccaaan	atncccat	atanaaaaaa	nttggtacgt	tttnatgact	ttaatccann	720
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<210> 625

<211> 793

<212> DNA

<213> Homo sapiens

<400> 625

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gaaaaataaa	attaatgaaa	acacagcact	tatgttggtt	tagctgcagc	ctccttgagg	420
gtagaattta	tttattttaa	attactgggt	gcattcaaga	ccccataggg	tgtacaaaag	480
gttctataaa	atctgcatta	tagagacaaa	gangcaggca	aatncatgtc	acaagggtna	540
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gagaaaacan	atgtaatcan	ggntgctgaa	aactttgcat	ggnggctttn	aagacattta	660
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<210> 626

<211> 825

<212> DNA

<213> Homo sapiens

<400> 626

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ngaaactgaa	cacatctgat	acagaactct	gcattnnctt	ccnaantntg	cccannccna	300
gcctgntcct	nnttcacgct	tancacttat	natatgatcc	cactattcac	tnantctctg	360
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cattagcaat	tcttgctagc	tctaccttca	aatatatatt	tgaatagact	atntcttgcc	480
gnttcccttg	cctnencatt	tcccatctgc	accccttctc	tnctncccaa	aatcaataca	540

ctagntgttt	ctaaaaaaaa	tatnganann	tagnnnaaaa	ncntaaataa	atntaaaana	600
angnntancn	tnacanaana	ttncataat	aggnnanntn	ntgncaanaa	cnntaantnt	660
tnaatacgnn	aaaactctct	cnaanngann	aanntatnnn	agttaaaagn	naaatannnn	720
aanantncca	aatntanaag	ataangncat	aanntatna	gncnnaacgc	taantgnnga	780
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<210> 627
 <211> 772
 <212> DNA
 <213> Homo sapiens

<400> 627						
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cnctgcagat	cctcgggggc	tngggctaca	caagggacta	tccgtacgag	cgcatactgc	300
gtgacacccg	catcctactc	atcttcnagg	gaaccaatga	gattctccgg	atgtacatcg	360
ncctgacggg	tctgcagcat	gccggccgca	tcctgactac	caggatccat	gagcttaaac	420
aggccaaagt	gagcacagtc	atggataccg	ttggccggag	gcttcgggac	tnctggggcc	480
naactgtgga	cctgggggctg	acaggcaacc	atngagttgt	gcaccccagt	cttgcnagaca	540
gtgccaaaca	atttgaggag	aacacctact	gctttanctc	ngaccgtgag	acacttgctg	600
ntnccntttg	gcaaagacca	tcattgganga	ncanntnggt	nctnaancng	nntggccaac	660
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<210> 628
 <211> 808
 <212> DNA
 <213> Homo sapiens

<400> 628						
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ctgggactgt	ncacagagct	ncttctntgtg	gcctttccag	catggtgggc	taagggtagc	360
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gnaactgnca	atcttttang	ctaangncca	gaaaccatta	cccctgcacc	ncacagtctt	480
tttntanctg	ntgaaataaa	cattnnnttt	atcaattnta	ancattcgca	aattggaatt	540
aaataccttt	tactaatttt	gncgtgacca	tctgcccctn	gttcaagatc	taaaaaactt	600
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nttnggcant	tanannnaan	annttnnnaa	acccttntat	anaaccttat	taagttgang	720
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<210> 629
 <211> 827
 <212> DNA
 <213> Homo sapiens

<400> 629

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aagcatnaaa	taangcnaaa	gcnnatgctn	anctnangga	gcangnngct	aaagacaacc	180
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nagactncan	gcnttgcttg	gcncacaag	gnnacctana	ntcatnanga	agcnnttgaa	300
ctaangagtg	gctacnncct	ttntnctca	tgcntgacct	gtaatnattc	ttctganttg	360
aggcaanagc	gggttnaant	natngntnan	ntgnaaanac	tntnnnatcc	gnnnntnctg	420
attannttnc	attntntna	atgatanann	ctcatcnngc	tcgncctgna	ctttganang	480
ctnnntcnn	anntnctga	ctttaggagn	nnacctncag	cganatgtna	agnanngaaa	540
ttnanntncc	tnnecntccn	ccttgcnagc	tnanngtctt	gngnaacntn	angtanntan	600
tctacngggg	gnnacnttgg	nnaattgggg	ncttataaan	tnttctnna	agaatgantg	660
naccaattnt	nnaanntcta	agnttgggga	aatctnngtt	tcctgnatnn	gnacaaaaan	720
tcgatttann	ngncnngntt	nnttgggcnt	catntgccat	tgatgcnatt	cnacttatgt	780
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<210> 630

<211> 793

<212> DNA

<213> Homo sapiens

<400> 630

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ngaagntttn	ntaanaagcc	accacttagc	ngaggcnct	acangtcttg	gggncttagc	180
gaagagaaat	cncgctggca	cttgncctgt	tcacntaagn	actnntgnct	gantccnagg	240
gtannngtnc	accttgngnn	ccancagaca	nacccaannt	gnctataaan	gggcaggtct	300
aagcttacnc	tngactncac	nggcaagctg	nangcctgtn	ctgccttccn	ctgcnnntnac	360
aatngacag	tnngaccaag	agtcanagna	aaaactncaa	ggatacatnt	atcccantct	420
nttctacacc	tntanattcc	ntganctatt	getcanaccn	atcgtgcggg	caaaggcaag	480
acttgggcaa	cattnttnaa	tacaatgatg	ctgacaanta	atttccngct	ngttgccagg	540
natntttacn	cgagctnttg	tgattccaaa	ctaaagaatg	gngccnnnan	gccntctntt	600
antnctggnc	cccanaang	ancctaactn	gcgaaagggn	agnatggcat	tnacccaaac	660
caacttntng	gattacnca	actccanaan	atccgacggc	atnnaanang	caaaacaaca	720
acttcnncan	natnnaanna	atngnnccnn	aaananaacc	cgngcntctn	aaacnattgt	780
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<210> 631

<211> 752

<212> DNA

<213> Homo sapiens

<400> 631

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aacataaaaag	aataagagct	ccttaaagat	tataaataaa	tggtgatgtt	aaagtaatag	180
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aaactacata	tattttgagca	atcaagtagt	agacatagag	aattttcttt	ttatggaagt	300
actctaataa	gtaaagggct	gatagaatta	tatcagcatt	ttctagctcc	tggtgaatta	360
tgcatggggc	atccatggct	gccttagatc	acaaaaatac	caccagatat	atgcctgtgg	420
atgaaagatc	acaccaccac	ctgtgaaata	gtcttcccca	caaaaaatcc	aacccaaadc	480

ctatccagcc	tgtagatgg	actcgagatc	ttctataaga	aataaagaga	gcangctgg	540
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angtaaagaa	gttcnagacc	agcctgccaa	catgggtgaa	ccccctctn	tacttaaaag	660
taccnaggat	gagcccggcc	gttgtggcaa	gcacctgtgg	tccccagcta	cttgggaagc	720
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<210> 632
 <211> 751
 <212> DNA
 <213> Homo sapiens

<400> 632						
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cacggaagag	aaagaagata	gtgggtgaag	ccccagcaaa	ggaaatggag	aaggtagagg	180
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caaactggta	tacattccaa	actgatagta	cattgccatc	tccaggaaga	cttgacggct	360
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cctgaggtca	aggagctcga	gaccagcctg	gccaacatgg	tgaaccccca	ttcttttctt	660
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<210> 633
 <211> 806
 <212> DNA
 <213> Homo sapiens

<400> 633						
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ttgtgttngn	tttaantcan	aaaataaatn	aattaaaaaa	aacttgaanc	ctttanaaac	720
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<210> 634
 <211> 775
 <212> DNA
 <213> Homo sapiens

<400> 634

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cctatgcctc	tcaagctcaa	gggtcggatg	tccatgtntc	tgcctcttag	aactatannn	540
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tattnnngctt	aaatttngnn	aaccatttna	taaagnctng	cnantaaaaa	aaaggtttaa	720
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<210> 635

<211> 784

<212> DNA

<213> Homo sapiens

<400> 635

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agtagagaga	aactataaat	ataaatttgg	aangggtag	ctaaaaggag	aaaacagcan	360
aatcttcata	tatatanaaa	tggatattaa	tttgctagaa	ttaanagact	gcaggtaaag	420
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tcangtttct	tcccttgcca	aaantngtaa	naacttntgg	tacttttnna	ncttgtatnn	660
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<210> 636

<211> 765

<212> DNA

<213> Homo sapiens

<400> 636

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agccccactt	ccacaaggac	tggcagcggc	gcgtggccac	gtggttcaac	cagccggccc	180
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cttcgagtca	tcanttgang	gaanaagaag	aattttcaaaa	gccttcgctt	atnttcngta	660
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<210> 637
 <211> 853
 <212> DNA
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<400> 637						
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gcaagtatgc	catattatac	ccaaaagttc	ttttaaaaaa	atatttccca	ttcaacccat	600
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<210> 638
 <211> 740
 <212> DNA
 <213> Homo sapiens

<400> 638						
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agtgaagaag	aagaagagtt	agaggaggag	gaggaggagg	acccggaaga	agataggaaa	240
tccacaaaag	aagaaggag	tgaggtgccg	aagtccccgg	agccaccacc	cgtccccgtc	300
ctggctccca	cggagggggc	gcccctgcag	gcccctgggc	agccctcagg	ctccttcac	360
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<210> 639
 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 639

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catcaggatc	acctgtgggc	cttcannaat	cananatnca	ccccaggcc	atgccctnga	180
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caagaaatcc	acccccangc	cangccccnt	acncactgcc	ctangatntn	nnggtgtnaa	300
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tatgactnan	ctgactnana	aagatcactn	atctttccac	acttgngggg	naggagccnn	660
tannangttc	aatatgcnn	ggtngantcc	catngctaca	atttcatgga	cacantttga	720
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<210> 640

<211> 743

<212> DNA

<213> Homo sapiens

<400> 640

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nncennngat	atttgcttgc	tnagctctac	tcctccaaga	nannangnnt	caaacnctnc	240
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tcaaangngc	tagaagggtg	tgaccttttn	agactcttgc	agaagaggcg	angtggtgng	420
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ccttaaggac	ccttatatcc	agacnatcct	ttggataata	ccnctnggcc	aaaacctnnt	660
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<210> 641

<211> 740

<212> DNA

<213> Homo sapiens

<400> 641

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ttgaagagca	atttatattt	tcaaaaagag	ttttgaataa	tgttaagata	gattgcaaca	180
tgactatcaa	ttcttccctt	cccatcaaag	gagagagtc	gtttatccag	cctttgaatc	240
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ggcttgccaa	gaacttggtt	tgtttctaat	gcttagaaga	agaatgggtg	atgccatatt	360
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caataaccag	acacgggact	gaggccatcc	atgaccagcc	agccctagtc	aacacacaac	480
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gctatattgga agtgtatttt tgtgcagcta acatttacta tcagataaaa tgggtgattgn	660
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<210> 642
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 642						
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ccgcgctcct gcaggagcag cagcagcagc agcagccggg attctggacc ttcagctact	240					
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tgccccggcc tggccacaac tttgtgcggc accatctgcg gaatcggccg gatctgtatg	360					
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<210> 643
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 643						
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ggtattatga attagcacia gtattgcttg ctatgcatgc taatgttgaa gatcgaggga	180					
ataaaggaga cataactccc ctgatggcag cttccagtgg aggttactta gatattgtga	240					
aattattact tcttcatgat gctgatgtca actcccagtc tgcaacagga aacctgcgc	300					
taacttatgc atgtgctgga ggatttgtat gacattgtta aagtgtcct taatgaaggt	360					
gcaaatatag aagatcataa tgaaaatgga catactccct taatggaagc agccagncca	420					
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<210> 644
 <211> 759
 <212> DNA
 <213> Homo sapiens

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ncactgannt	nactatccan	natntaagtn	ctcttngctt	actgtgaaca	nnngctactn	420
ncttggatat	tatagnaagg	ntcnttgata	cncgatnatc	ntnctgtca	gacnataaa	480
tancanctat	accnactgtn	naaatnccat	ctggnggnct	tnctnatccan	acataattgc	540
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ctggnttgac	ctaagngng	aantcnatgg	tccgattgct	ggnccttanc	cttaagnttt	720
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<210> 645

<211> 766

<212> DNA

<213> Homo sapiens

<400> 645

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gganccgcca	tccatggact	tattcatggc	catctttgcc	agttcctcat	atgaaaagtc	300
ctnatcctgc	gangatganc	acggtgacag	tnaanatgat	caggcacgct	ctggngagga	360
caacttccaa	agctggnaag	acactgactt	ggnggaaaca	tcactctgtg	ctcacgctnt	420
tgtgccagng	ccctaggagc	cgtcaccttc	cttcccgata	caaangatgc	agatagatna	480
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tgaagttntc	canaaagaga	aacattccaa	gaacaaagac	nagcacaang	gcaatanaga	600
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naatccaaaa	naattggcaa	accaggggaa	aagtaggtnc	ctncngngaag	tttcgacagc	720
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<210> 646

<211> 752

<212> DNA

<213> Homo sapiens

<400> 646

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gggctccagc	taccacagga	cgggctctgg	gtatagccgt	tccagtcagg	gacagccgtg	480
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aaccttcaga	aagagtatgg	agagaaaaag	aggcacacct	ggacgcagag	ccctgccagc	600
gccctctctg	ctgttgacgc	tgcaaggaga	ccatgcctgt	gggagccagg	cctcgtctgc	660
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752

<210> 647

<211> 743

<212> DNA

<213> Homo sapiens

<400> 647

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gactgtcaca	tgtggtttgc	tggtggcttc	ccactggcga	agagaagcta	caaaatatgc	180
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aaaaataaag	agaggaccag	gacgatgcca	gcaccccggt	tatcctgagt	gaactctccg	360
gaggcctctt	caagcttgtg	ggttctctgc	tgtcttgaag	ccatccatcc	atttgatagg	420
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aatattttaat	attgnctaag	gcaattcaag	tatttttctt	aaataaaaaa	tatgaaaact	720
caaaaaaaaaa	aaaaaaaaaan	ana				743

<210> 648

<211> 759

<212> DNA

<213> Homo sapiens

<400> 648

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aatgttttagc	tgggagggct	gtagggaccc	ctgttacccc	cattaaacac	agtaaagcat	180
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tgntgacacc	tatntgagct	tcanttnctt	taacttgaaa	aattgaacan	gcccggtnccg	660
gtggctcata	ccctgtaatc	ccancacttt	tgggngctt	tangccgntt	ggatcattga	720
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<210> 649

<211> 746

<212> DNA

<213> Homo sapiens

<400> 649

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ttaaatctgc	ttcaccttgt	atagctgata	aaatctctaa	gccacaggaa	ttaagttcag	420
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<210> 650
 <211> 789
 <212> DNA
 <213> Homo sapiens

<400> 650						
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 <211> 757
 <212> DNA
 <213> Homo sapiens

<400> 651						
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tatntaaaat	aaaagttata	taaattacat	tgacaaaaaa	aanangtana	aaaaaaactc	660
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<210> 652
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 652

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 <212> DNA
 <213> Homo sapiens

<400> 653

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catntgngna	cngacccatc	cattaatgag	gatcanggn	tccanctgat	gaacgctgat	300
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cagtngtca	ngctcntaan	atcttnncac	ntgccaanct	gtgnggnctg	ccttnagnct	420
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<210> 654
 <211> 768
 <212> DNA
 <213> Homo sapiens

<400> 654

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ttttaccaag	taaantgtct	ggaccaacca	tntgcaggtc	caaaannctg	gaaaaaccgt	720
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<210> 655

<211> 752

<212> DNA

<213> Homo sapiens

<400> 655

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gccaagatac	aaatttaa	ggaacctttt	atgaagcttc	atagtgtgtg	aagaacttac	360
cttgttttata	tgtttgaaga	catacatatt	tcacatttca	gaagagtcta	tacatagctc	420
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gccttccaag	tagcanggac	caccaggtgc	acccactat	gccagctta	attttttgna	660
ttttattgga	cagattgggg	ttttgcccac	gttattcagg	ctggatcctt	nnggcctcaa	720
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<210> 656

<211> 754

<212> DNA

<213> Homo sapiens

<400> 656

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agaagatcat	gtttggcaan	aggcgaaaaa	tccgagaggc	caacaagctg	gcngagaagc	300
ggaaagccca	cgatgaggcg	gtgaggtctg	agaagaaggc	caagaaggca	aggccggagt	360
gagtgcctgc	ggccccctac	agggtctgang	ccagccccta	tcagctggat	gtggcagagg	420
catgccanag	gacctaaagt	tgatggacca	gantcacttc	tnctcctcct	ttctnacca	480
gccctgaccc	ctcatgctct	ctggctgggc	cantgggcaa	ccctcgcttc	cttggtatgga	540
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<210> 657

<211> 734
 <212> DNA
 <213> Homo sapiens

<400> 657

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<210> 658
 <211> 783
 <212> DNA
 <213> Homo sapiens

<400> 658

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<210> 659
 <211> 741
 <212> DNA
 <213> Homo sapiens

<400> 659

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<210> 660
 <211> 734
 <212> DNA
 <213> Homo sapiens

<400> 660						
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<210> 661
 <211> 762
 <212> DNA
 <213> Homo sapiens

<400> 661						
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gtctgnnnct	tgaccgcatn	ttgatccant	gntctgtgan	gantntttca	ctgaacattt	720
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<210> 662
 <211> 745

<212> DNA
<213> Homo sapiens

<400> 662

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cctgctccct	tttgatagtg	gcttctgggt	actcgggcnn	gtnccttgga	caccancctt	660
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<210> 663
<211> 748
<212> DNA
<213> Homo sapiens

<400> 663

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<210> 664
<211> 785
<212> DNA
<213> Homo sapiens

<400> 664

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<210> 665
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 <212> DNA
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<400> 665						
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<210> 666
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 666						
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<210> 667
 <211> 760
 <212> DNA

<213> Homo sapiens

<400> 667

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cggactatct	gtaagtcttg	tncagaacat	gatcaaaggg	tgttacactg	ggctttccgt	720
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<210> 668

<211> 763

<212> DNA

<213> Homo sapiens

<400> 668

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<210> 669

<211> 754

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 670						
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<210> 671
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 671						
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<210> 672
 <211> 792
 <212> DNA
 <213> Homo sapiens

<400> 672

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<210> 673

<211> 755

<212> DNA

<213> Homo sapiens

<400> 673

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agtgggtgggt	aattgtacaa	taaatttttt	ttgggtcaaat	ttaaaaaaaa	aaaaaaaaaa	360
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taattgcnc	ccttggccgt	aatcatggta	atagctgttt	cctggtgnga	aattgtttcc	720
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<210> 674

<211> 753

<212> DNA

<213> Homo sapiens

<400> 674

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 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 675						
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ccatatatgt	ttgnncgcta	gattgntncc	ancaattngc	ntcttgggaat	tgttgaattn	720
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 <211> 751
 <212> DNA
 <213> Homo sapiens

<400> 676						
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aaggtttact	gggtgncna	tttgccatat	tattggaaac	ttggaaagg	taatttgaaa	720
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<210> 677
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 677

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<210> 678
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 678						
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 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 679						
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<210> 680
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 680						
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 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 681						
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<210> 682
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 682						
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<210> 683
 <211> 755
 <212> DNA
 <213> Homo sapiens

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<210> 684
 <211> 774
 <212> DNA
 <213> Homo sapiens

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<210> 685
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 685

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<210> 686
 <211> 749
 <212> DNA
 <213> Homo sapiens

<400> 686

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actgactacc	actcactcat	gcatttttat	ttccaattaa	agcaaagcac	tgtgctgtgc	420
tcagataata	atagtttgta	agtaaaagtt	tttagttttc	agtgttcagg	ttatagaata	480
taactgacca	taaaaattac	ctgcaggat	tttcttttta	tgaacttggt	tttaaattac	540
caagtaatta	ctggtgtcat	tttgttttat	gacagacaca	cgtatctaac	aaacaaacaa	600
acagtgacct	tctccatggg	tcaaggactt	ccttacaatt	tctnctgagt	taacttttgt	660
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<210> 687
 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 687

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taaaattttg	gccacttttt	tcagatttta	catcattctt	gctgaacttc	aacttgaaat	480
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ctactcanga	aaaagcatct	tcttgatat	gtcttaaaat	gtatttctgt	cctctataca	660
naaaagtctt	taaattgatt	tttacagtct	ggaatgcttg	gatgntttta	aatantaaca	720
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<210> 688
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 688						
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cagtccaccc	gncttngcta	ccggantgct	aggattcaga	cgtaagcccc	cgaancttgg	720
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<210> 689
 <211> 806
 <212> DNA
 <213> Homo sapiens

<400> 689						
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ntcngctgan	caatctntcc	ancnnntnta	atategtgna	tcacctaggg	tgtatgaten	480
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<210> 690

<211> 772
 <212> DNA
 <213> Homo sapiens

<400> 690

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cctacgaccc	tggagaggag	gacccagccc	aagaccggg	cctttggaaa	acttcctgt	660
gggaagcttt	aagnnccttc	nanangccac	ttaccaac	ttgaggggnt	ccaaangccc	720
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<210> 691
 <211> 755
 <212> DNA
 <213> Homo sapiens

<400> 691

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cttncantga	actgtgattg	tttccantac	agnccacctg	ggtgacanag	taaanaaaan	660
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<210> 692
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 692

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agaaacacag	aacaagtttg	ccttctccta	tgttttccag	aaatgacttc	agtatctgga	180
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gctctatcta	tcccaaactg	aaattctggg	ggaagagtgt	agaacagAAC	ccaaaggaac	600
catcaccttg	gagctncttg	aacacaatga	ggcatatata	tggacaaatc	cacctgctgt	660
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<210> 693
 <211> 881
 <212> DNA
 <213> Homo sapiens

<400> 693						
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taaanattnt	tatgcantnc	ncacaatnta	tataanangg	tcctnaaaac	gngnnccaat	840
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<210> 694
 <211> 742
 <212> DNA
 <213> Homo sapiens

<400> 694						
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gagatagcac	attacatact	tttactatca	aatattat	tagcagcttc	ccatagtacc	300
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<210> 695

<211> 745
 <212> DNA
 <213> Homo sapiens

<400> 695

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cttaat	gatg	tacacat	taa	gggcnt	aac	tattcat	gcc	aacccat	tttg	ctcagt	tagct	660
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<210> 696
 <211> 795
 <212> DNA
 <213> Homo sapiens

<400> 696

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<210> 697
 <211> 734
 <212> DNA
 <213> Homo sapiens

<400> 697

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ccatcca	agt	catctcc	atg	gtcctt	gggt	cccctg	gtga	gcatgg	agtc	aggagg	tcat	180
caatcat	cat	gctggg	gttg	gtgcg	agagg	ggccac	agac	ctgaa	accaa	atggat	ctga	240
ctgggg	gcagc	tgcccc	tcag	tgtcag	aggg	gctcg	acccc	tccggt	ctct	aagga	agtcc	300

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 <211> 759

<212> DNA
<213> Homo sapiens

<400> 700

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<211> 751
<212> DNA
<213> Homo sapiens

<400> 701

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<211> 748
<212> DNA
<213> Homo sapiens

<400> 702

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 <211> 759
 <212> DNA
 <213> Homo sapiens

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 <211> 777
 <212> DNA
 <213> Homo sapiens

<400> 705

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<210> 706

<211> 760

<212> DNA

<213> Homo sapiens

<400> 706

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agtcttatta	cagangcttt	aaagttccaa	aaggatatcc	aaaaatatgc	caccgggctt	720
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<210> 707

<211> 856

<212> DNA

<213> Homo sapiens

<400> 707

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ataananan	tannaantta	tatttcnnan	atantanann	nancnnttta	naannantta	660
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nananannat	atattannan	anantnacnt	aaactnnnnt	naatnntcca	nanacttnaa	780
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 <212> DNA
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 <212> DNA
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<210> 710
 <211> 753
 <212> DNA
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<400> 710

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<210> 711

<211> 718

<212> DNA

<213> Homo sapiens

<400> 711

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<210> 712

<211> 783

<212> DNA

<213> Homo sapiens

<400> 712

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 718

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 <212> DNA
 <213> Homo sapiens

<400> 719

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 <212> DNA
 <213> Homo sapiens

<400> 720

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 <212> DNA
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 <211> 751
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 724

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<212> DNA
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<400> 725

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<210> 728
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 728

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<210> 729

<211> 743

<212> DNA

<213> Homo sapiens

<400> 729

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<210> 730

<211> 744

<212> DNA

<213> Homo sapiens

<400> 730

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<210> 731
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 <212> DNA
 <213> Homo sapiens

<400> 731						
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<210> 732
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 732						
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<210> 733
 <211> 742
 <212> DNA
 <213> Homo sapiens

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 <211> 749
 <212> DNA
 <213> Homo sapiens

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<210> 735
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 735						
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770

<210> 736

<211> 746

<212> DNA

<213> Homo sapiens

<400> 736

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tgggangcag	angttgcagt	gagcccgaga	ttgcaccacc	gtactnnaac	ctgggtgaca	600
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<210> 737

<211> 751

<212> DNA

<213> Homo sapiens

<400> 737

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<210> 738

<211> 795

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739
 <211> 763
 <212> DNA
 <213> Homo sapiens

<400> 739						
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<210> 740
 <211> 765
 <212> DNA
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<210> 741
 <211> 753
 <212> DNA
 <213> Homo sapiens

<400> 741

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<210> 742
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 742

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<210> 743
 <211> 768
 <212> DNA
 <213> Homo sapiens

<400> 743

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gatggccac	gtnccctgca	tgganccccc	tganengact	ccaccagcct	atacangngg	360
aagccanaag	cagctgtttt	cngccntgcc	ctgctgataa	tgccttgaag	accccatacg	420
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tgggnccnng	attccaggan	cttnccntca	atggacctgg	gngcttgtaa	tengttntgg	540
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gnactatgtc	catgnaaggg	gaacatntan	tgttganna	tgcnatgcaa	ncntnnccnt	720
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<210> 744
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 <212> DNA
 <213> Homo sapiens

<400> 744						
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caaacatctt	ttcctttgct	ctatnggaac	attttaaggg	ttggtttgca	caactgggtt	720
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<210> 745
 <211> 751
 <212> DNA
 <213> Homo sapiens

<400> 745						
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cccctgataa	ttcccatctg	cttttacttc	gggtgagcag	agggggatgt	gtgtgtgcgt	360
gtgtgtcagt	ctgttttgta	gtgtgttaaa	ggctacagac	cacagttggt	ttaaaatgct	420
tggaaacttcc	caaactggct	ttactttatg	tttatacagt	gctcaggggt	aacgcagtac	480
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gaaaatatat	attggtttct	ttttccaact	taatngttt	attaaagcat	gaaatgaaag	600
ggtgcatatc	atgcattcaa	gntatntcct	aatttttggg	ctgacagtgc	atgtctttgg	660
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<210> 746
 <211> 760

<212> DNA

<213> Homo sapiens

<400> 746

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gatgtgaaac	ggaagagcga	accangctag	caaaagagct	ttcttcactt	cgagacccaa	420
gggaacagct	aaaggcagaa	gtagaaaaat	acaaagactg	tgatccgcaa	gttgtggaag	480
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tccaataaaa	tcttggggcca	aaagaaaatt	tgggtttgaa	gaaaataaaa	ttgatagaac	600
ttttggaatt	ncagaagact	ttgactacct	ngactaaaat	attccatggt	ggtgaaagat	660
tttcaagctt	gngaatttgt	aaattttnaa	ctattatcta	actaatgtnc	tgaattgccn	720
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<210> 747

<211> 786

<212> DNA

<213> Homo sapiens

<400> 747

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ccctcggagc	tgagtgagaa	catggcgagc	ctgctggcta	ccatnatccc	ccagtacctg	420
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ganaggttcg	accatatcct	gtncacgggc	agcacggggg	tggggaagat	catcatgacc	540
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<210> 748

<211> 722

<212> DNA

<213> Homo sapiens

<400> 748

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<210> 749
 <211> 821
 <212> DNA
 <213> Homo sapiens

<400> 749						
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acccaatttt	ncactttatt	ttgaactctt	aagtcataaa	tgtataatga	ctttatgaat	480
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tagatnggac	ctcattgcca	tttaagactg	gttttcaaaa	gctttccctc	aacatttttt	720
aaaggtgtgg	anttttccct	ttttaaatat	tccataattt	aantttcctt	ttnaaaggcc	780
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<210> 750
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 750						
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<210> 751
 <211> 774

<212> DNA
<213> Homo sapiens

<400> 751

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taattatccc	tgctgntgt	ccatgtcaga	cttttgagct	gacctgaat	aataaagcct	660
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<210> 752
<211> 778
<212> DNA
<213> Homo sapiens

<400> 752

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caatattgta	aatacataaa	aatatacaaa	atttttggct	gctgtgaaga	tgtaatttta	480
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aatcaagga	agactgactt	ggacaccgtt	tggaaaatgg	gtaaaaacgg	tggnttactg	720
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<210> 753
<211> 775
<212> DNA
<213> Homo sapiens

<400> 753

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<210> 754
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 <212> DNA
 <213> Homo sapiens

<400> 754						
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<210> 755
 <211> 798
 <212> DNA
 <213> Homo sapiens

<400> 755						
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 <211> 834
 <212> DNA
 <213> Homo sapiens

<400> 756

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nagatggatc	ggatgaaaat	gaaantggaa	gaacatganc	tcaaagatga	ngatggatgg	360
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tgtgacaaat	cgtnaanaac	agtaaaggcc	atgaanaatc	acntagaagt	caaangaaag	480
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<210> 757
 <211> 1062
 <212> DNA
 <213> Homo sapiens

<400> 757

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gccccttggg	gaaagggnen	tttccnaagn	aaaggggtng	gaaaattttt	taaattggcct	180
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aaaagggggg	aacctttngg	gnaatccttn	cccnttnaat	aatttggggg	aattaaancc	300
ctggtttggg	aaagggaaaa	gggttgggtc	tggtcttggg	ggaanggaat	tgggggccaa	360
nttaaaaatg	aaggtttggc	canaatnggc	cncttcgggg	gcttnttcaa	aagccaagcc	420
tttgggancc	ctgcttcatt	tttngggccc	tttntctgca	aggaanccca	acccttaact	480
tancaggaaa	anggagatga	aaggccttct	tccaaggaag	gtaaggctct	ttggctgccc	540
cnacttaaat	gcttttttgaa	antctcttag	atgtggnaaa	tattttttcc	gaaccttgaa	600
atcaactngg	tagaatttca	attggaagca	taatccattg	taaaatatat	tttagttgat	660
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natttcaa	ggtttaacaa	angggaagga	aaggganctt	ttcccttaac	cttccctttt	780
tgaccaggaa	agatttttnaa	aagtaccttt	cttttttaagg	aaaaaaaaaa	attaaatttt	840
gaagaaaaat	tgggatttgg	attttanaaa	aaangggaaa	aaaaatatna	ntattnatan	900
ntcnnannat	nnttnatnnt	ctanntantt	nctntnnnta	ntnctnntnt	ntnnannnna	960
nannnnannaa	ataaatantc	nnncatnctt	anctacanat	nccnntcttn	nttntannac	1020
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<210> 758
 <211> 845
 <212> DNA

<213> Homo sapiens

<400> 758

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tntgcttacg	ggcaaaaacc	tgcacacgca	ccanttcccg	tnnccgttgt	ccaacaacca	180
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tgntttggac	agaantggga	acnttnaggn	tgntgtgcgc	ttcnagcatn	tgggcacctt	300
tgtgttcctg	tcantcacgg	gtgagcanta	tgggaagcccc	atccgtgggg	cagcatgaag	360
gtccacggca	tgcccaattg	caacacgcac	aaatacttgg	aangccatgg	aangcatntt	420
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ggattgggtg	ggantggang	gttgcaagtt	ngggccnttt	tgaaaggcca	ctttttggna	540
aaaaactttt	gggtttttta	ngggttcttc	aaaatgccct	ttgnnaattn	aaagaaatgt	600
tgggcctatt	naaaaaaaan	atnatacttt	atntaatctn	nataataata	nttantaata	660
aaantcttnn	agccttttta	aaanttttta	atgaanctct	ttattttanc	gttanantnc	720
ntaacnttta	attaaaggaa	taacaatttg	ttgaantttt	ggtataaana	ncccccantt	780
tttaaaattc	ntntngaaaa	aaaatncttt	tatttttggt	aaaatttgng	gaatcnnttt	840
tgctn						845

<210> 759

<211> 947

<212> DNA

<213> Homo sapiens

<400> 759

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ngggngangg	ntntggggnc	ccnttaaccc	caangggggg	gggttttnan	cctggggggn	180
naaaatnggg	ggaanaantn	nnnaatgggn	antcccttna	angggaaaaa	naatttnncc	240
ttaagggnat	gggncattaa	tnttnatccc	tantggattn	caatttcatt	cgnattaaag	300
gctttttactg	gnataatcct	tnnccggccc	cnctggtagt	ttaaagtgcc	canaanttga	360
atgggaaatn	acgggttttg	aaaatcgcac	aaagcagtgc	cnggcacnga	ggngtcacgc	420
cngtaatncc	agcatttttg	gaggcctgag	gcangcggat	cacganggca	anagagtcca	480
gaccattnct	ggctaacacn	gggaaacccc	gggnctaata	aaaaatcaaa	aattaggntg	540
gacatgggtg	cacgtgccng	taatcncagc	tacttangga	agctggatgc	aggaagaatt	600
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aaantgggtgc	canagncatn	nggggaaaaa	attttnnnnt	tnnttnancg	gttttnanct	780
tgnggaaggc	entctttaat	nttggggaaa	aggcactttt	gggntngggt	ttggaaaacg	840
nntggctttt	ccctttnaaa	agggaaaaan	ggntttaanc	ccctgaaaaa	ngngcngnnt	900
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<210> 760

<211> 759

<212> DNA

<213> Homo sapiens

<400> 760

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gttattcgcc	aacagtgtgt	tgaatatgtc	acatccattt	tgcagtctct	ctgtgatcan	180

gacattgcac	ttatcttacc	ggctcttctg	aaggggtctat	ttctgaactg	gagcagctct	240
ccaattctct	accaaataaa	gaattgatga	cctcaatctg	tgactgtctg	ttggctacgc	300
tagctaactc	tgagagcagt	tacaactggt	tactgacatg	tgtcagaaca	atgatgtttc	360
ttgcanagca	tgattatgga	ttatttcatt	taaaaagttc	tttaaagaaa	aacagtagtg	420
ctctgcatag	tttactgaaa	cgagtgggtca	gcacatttag	taaggacaca	ggagagcttg	480
catcttcatt	tttagaattt	atgagacaaa	ttcttaactc	tgacacaatt	ggatgctgtg	540
gagatgataa	tggtctcatg	gaagtanaag	gagctcatac	atcacggacg	atgagtatta	600
atgctgcaga	gttaaaacag	cttctacaaa	gccaaagaag	aaagtncaga	aaaatttgtn	660
ccttgaacta	gagaaacttg	ntntggaaca	tttcaaaaga	tgaatgacaa	tctggattcn	720
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<210> 761
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 761						
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caatcaatcg	gagttctccc	cttgccggag	ctgcccttca	cctttggggc	ccgagacagt	180
cataagggat	ggacttaent	ttcttgcaag	gaaaaagggtg	gacagccgtg	tttcttaagg	240
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caccactgcc	acaaggctcc	ctaagtctgg	tctctgctcc	actccccggc	ttcccgtgag	360
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cgcctcaggg	acgctggaaa	tgccttaagg	atagaggctg	ggcatcacat	caaattgggac	480
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atttactggt	tacagctggc	cagtgcanaan	ctgctgctct	tttacctttt	taggccccctg	600
taacttncca	ccttttaaact	gcccanaaag	catgcctntt	ccacaggaag	aagggagcag	660
acagggaaat	ctgcctacca	anaagggtgt	tgtgtgtctt	tgtgcccaca	cgtgggtggct	720
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<210> 762
 <211> 1032
 <212> DNA
 <213> Homo sapiens

<400> 762						
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cnatcngaen	gaanttgggg	gggntagnnn	nggttanatn	attgatgaat	ggnttcaana	240
tngnaaantt	tatnancgan	atgnnatant	tnnaaangan	gaccaactgg	gntnanatgg	300
agnannnatn	aannggntaa	ncnatanaa	tantncattt	ggtanganaa	tngangaagg	360
attntcaa	agncatgtng	gangatgaac	ntnnagggnn	nagaatattt	ggataaaaatt	420
ggtantatga	agatntgggn	taataatacc	nanaaatnnn	nnantttnat	nanngangaa	480
ntagganttn	atgnctatgn	ggatanntn	nanntatnat	agngataaan	tatgatactg	540
tttannttat	ntnganttag	tnattnaatg	ntcttgtnan	aanttatattt	ncgntagtta	600
gntagnnnta	tnnacttttg	naancanana	tgtaattctc	tctanacggg	aatntttnta	660
tnntnnntat	caagaggtnt	ntnnattgna	aatantatac	nnttgnanaa	antatatcna	720
tanaanaaan	ggnnattatt	ntatatganc	aaanaaaaaa	ntattgngga	nntanattat	780
ctctcatnat	ngattatncn	gtantgtata	atggnnnata	antatgtnnn	tntaanataa	840

atggatataa	gtnttatant	atgcncntna	aggnggtcng	anaantatgt	aattatattn	900
angctanata	cnatnnanat	gtntnactaa	atatngntgt	gaaangtntg	cgnggnaaaa	960
tntgttanta	ntnaaacang	gtataganat	atanatgnng	ngaatatcta	ctatntgtan	1020
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<210> 763
 <211> 817
 <212> DNA
 <213> Homo sapiens

<400> 763						
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tttcggcacg	aggggagggg	cccttggggg	caggttgtgg	gtagccagtt	gcagtctgtg	120
gcctccctca	gaggtttgga	gtcgggcgtg	gcatgctgct	gttggcctct	ttccgagggg	180
gtgccatcca	ctccctgtcc	caccgctnnc	cctngtgagg	acagtgaggg	cagtgtctacg	240
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gggccccgga	cagagtnagg	ctccctgggc	ggnccttgtg	cttgggtggcc	ctgatcatcc	360
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aacaaaccat	tgngttgaat	gcaatgatcc	aggtgcactt	tnagggtaca	agctggactn	480
gttggaacag	gattacatgg	aaaannggaa	angggggcan	gctgtctctt	gggacatnag	540
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<210> 764
 <211> 777
 <212> DNA
 <213> Homo sapiens

<400> 764						
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tacttggtct	gatattgctt	aatgaaaagt	atttttctga	cctaagaaac	agtattgtga	180
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tccgtcgaga	agtcaacgac	tcaatgaaga	attccactta	tggcgtgaat	agcaatgaca	360
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cagagggggc	aacaattgca	aggagagagg	cctggctgat	cctggctctt	ttctccaggg	480
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aagttgggga	gnaacccctt	antggtnctt	gccaacaacc	ttgccttggg	attaaacatt	720
ntncattttt	ttcantaana	tttttgaaca	aagggttant	attgnctnaa	gtttann	777

<210> 765
 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 765

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tatcaataca	ccagtggctg	aaattatcat	gaaaccaa	gttggacaag	gcagcacaag	180
tgtgcaaaca	gctatggann	gtgaactcgg	agagtctagt	gccacaatca	ataaaagact	240
ctgcaaaaagt	acaatagaac	tttcagaaaa	ttctttactt	ccagcttctt	ctatgttgac	300
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catatttgaa	aaatcctggg	agaanggact	atttggtctn	ttttgccaac	ttacttcata	720
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<210> 766

<211> 779

<212> DNA

<213> Homo sapiens

<400> 766

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cttcggcggc	ttccacctag	acacctaa	gtcgcggagc	cgcccgcgtc	gtgaggggggt	180
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tcatttttgg	tttggaaacac	gaatttaagg	cctgctat	accctggggg	atccttggat	720
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<210> 767

<211> 799

<212> DNA

<213> Homo sapiens

<400> 767

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gatccaccca	ggatgaacaa	agatcaccaa	ggggaagaa	aacatttttt	atcttttacag	360
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ccttacaaga	aatgaaatag	gttttttagca	ctcttagcat	tagagtccct	agattgggtgt	480
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agcacatttg	atctatgtaa	aaagtgtcca	tttgggtgtat	ttttttttaa	aaagagaaag	600

cactttcata ttaagtagca tgtgtatgaa ttttaagattt tcatatttgn tgngtctggt	660
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<210> 768
 <211> 826
 <212> DNA
 <213> Homo sapiens

<400> 768	
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gcagtttaca gctcctggat gaaagagcat ggaggatcta tcgtcaatat cattgtccct	180
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catttttgga ggatatgctt nnnngnacnt ttttaaaaaa gcttatnagt tngntatggg	720
naaaacaatt ttttccttan tttttaaagt ggntaataaa tnaaantcct aatggnaaaa	780
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<210> 769
 <211> 802
 <212> DNA
 <213> Homo sapiens

<400> 769	
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caagcctgga gctgcaggtc ccccggcac tctctctgtc ccggcagccc aggatggcct	120
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aaaaaaagga tgtgtcattg gtcattgat tggaaaagg ggaaggangc cnaaanttgt	600
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aanaactaac tngtggctt gttncttac cttttttcan gnttaattgg tttnaatttt	720
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<210> 770
 <211> 1157
 <212> DNA
 <213> Homo sapiens

<400> 770

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cagggnnnag	aataaggccc	ggggnntttt	tttncnagg	ncccaaaagg	gcccttgggc	300
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cctttaattg	ccattaagca	attcccaang	gttannaag	ggtgtttntt	ctcanctatg	540
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gaagctagaa	cattagaagc	tttggaanag	ggcggnggag	aattgaatga	tnnttgnttc	660
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ngaaaaaaaac	tttatangtt	tactaggaat	cgatttgaca	agcnttcang	taacaaacag	780
ttctnccaag	agatatcctt	gttnaagaan	nattanaata	ncnngaaagc	ggaaanngtg	840
aataaatnnc	ttcnagaagc	ccaaaaannc	acngaanaag	tatggtgggn	cttactggtt	900
agcacgttct	tgacnacaga	tggaaattga	antctngatt	ncctctgatt	antgaatgaa	960
aaggtgacta	ttnaanagct	cttnanatac	catgagtntt	tggancattg	attgaccaat	1020
ttcaanncca	tttttangat	ngaattntta	tnaatgattn	attnanaant	gannnccttn	1080
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<210> 771
 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 771

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attttaacag	acacatctgt	caaaagaaat	gacttgctga	ttatttctgg	ctaatttttc	180
tttatagcag	agtttctcac	acctggcgag	ctgtggcatg	cttttaaaca	gagttcattt	240
ccagtaccct	ccatcagtgc	accctgcttt	aagaaaatga	acttatgcaa	atagacatcc	300
acagcgtcgg	taaattaagg	ggtgatcacc	aagtttcata	atattttccc	tttataaaag	360
gatttggttg	ccaggtgcag	tggttcatgc	ctgtaatccc	agcagtttgg	gaggctgagg	420
tgggtggatc	acctgaggtc	aggagttcga	gaccaacctg	accaacatgg	tgagaccccc	480
gtctctacta	aaaataaaaa	aaaaattagc	tgggagtggg	ggtgggcacc	tgtaatccta	540
gctacttggg	aggctgaacc	aggagaatct	cttgaacctg	ggaggcanag	gttgcaagtg	600
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aaanaaaaaan	gaaaactcga	gcctctagaa	ctatagttag	tcgtattacg	tagatccaga	720
catgataaga	tacattgatg	aattttggac	aaacccann			760

<210> 772
 <211> 777
 <212> DNA
 <213> Homo sapiens

<400> 772

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ccatcgattc	gaattcggca	cgagctctac	taaaaataca	aaaattagct	gggcgtggtg	120
gcacacacct	gtaatcccag	ttacttggga	ggctgaggca	caagaatcgc	ttgaacccgg	180

gaggcggagg	ttgcagttag	ccaagatcgc	cctgctgcnc	tccagcctgg	gcaacagagg	240
gagactctgt	ctccaaaaac	aaaaacaaaa	actgttagtg	aaggttccct	gggacttttg	300
atatttttaa	aattgttctt	atgactagta	gataaattca	ttgccataat	gaggctagct	360
cccagataaa	cagtgtatct	tcttcttttt	tttttttggg	gagtgggtcca	gagctttaag	420
ctacttttcc	agtagtttgc	cactttctcc	gaggtanttt	ggctgctctt	tcagtaatgc	480
taattgtgtg	tcaaattttg	tctacaacag	taggcaacag	atgaagataa	gttggttgaa	540
tgtctccagc	actatgcac	cctattttct	atttattggg	gtacactcac	tttcagtaat	600
gngtttcaaa	ctgggtatct	ttaaaaaaca	aatcaatgta	aggactgaag	ttgaaatanc	660
caatgtaata	aagttaatta	gggttatctt	taaaaaaaan	aaaaataana	actcnagccc	720
tctagaaact	atangtgagt	cgnnttacct	tgaatcccag	accttgataa	gataacnc	777

<210> 773

<211> 782

<212> DNA

<213> Homo sapiens

<400> 773

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ttcgagcctc	aaaattttgct	gcacagaatt	tgcatcaaaa	cttaatcaga	aaatttccta	180
aaggagatgt	aatcagtgtg	ncncccgccg	tgaagagatg	cctttttggac	actttcaagc	240
atactgatga	agagttcctt	aaacaagcct	ccagccagaa	gcctgcctgg	aaagatgggt	300
ccactgccac	gtgtgttctg	gctgtagaca	acattcttta	tattgccaac	ctcggagata	360
gtcgggcaat	cttgtgtcgt	tataatgagg	agagtnaaaa	acatgcagcc	ttaagcctna	420
gcaaagagca	taatccaact	cagtatgaag	agcggatgaa	gatacagaaa	gctggaggaa	480
acgttaaggg	atgggcgtgt	tttgggcgtg	ctagangtgt	cacgctacat	tggggacngn	540
cantacaagc	gctgcngtgt	nacctttgtg	ccccgacatc	agacgtgccc	agctnaccct	600
caatgacagg	ttcattttgn	tggccttggt	atnggctctt	naaaggncct	tncccatna	660
aggaagccng	tggaaacttt	atcttgnctt	gnantcgang	atnaaaaagn	atncagaacc	720
cggggaaggg	gaaaatcctn	aannctgact	tcccggtttc	caaaccagtn	ttgnaacaaa	780
nc						782

<210> 774

<211> 793

<212> DNA

<213> Homo sapiens

<400> 774

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ttcctccact	acaaaaaggg	gatctaccac	cacactgggc	taagagaccc	tttcaacccc	180
tttgagctga	ctaatacatg	tggtctgctt	gtgggctatc	ngcactgact	cagcctctgg	240
gatggattac	tggattgtta	aaaacagctg	gggcaccggc	tggggtgaga	atggctactt	300
cggatccgc	agaggaaactg	atgagtgtgc	aattgagagc	atagcagtgg	cagccacacc	360
aattcctaaa	ttgtagggtg	tgccttccag	tatttcataa	tgatctgcat	cagttgtaaa	420
ggggaattgg	tatatccaca	gactgtagac	tttcagcagc	aatctcagaa	gcttacaat	480
agatttccat	gaagatatct	gtcttcagaa	ttaaaactgc	ccttaatttt	aatatacctt	540
tcaatcggcc	actggccatt	tttttctaag	tattcaatta	agtgggaatt	ttctggaaga	600
tggtcagcta	tgaaagtaat	agagtnttgc	ttaatcattn	ggaattcaaa	catgctatat	660
tttttttaaa	aatcaatgtg	aaaacataga	cttattttta	aattgntacc	aattacaata	720
aaaataatgg	gcaattaatt	tttnaaaact	ttttaaaaata	gnatgctcat	attttttaaaa	780

ataaaaanttt tnc

793

<210> 775
<211> 1009
<212> DNA
<213> Homo sapiens

<400> 775

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ccntntntna	nngttttttn	gatnccca	tnengnaatn	tnccgggcncg	ggnnactgnc	120
nannggcnc	cttcgggggn	ccngtgntaa	gncnatnctt	gtntntanaa	agntggnnnt	180
nttttncgat	ngngactatt	gncnacnctc	ttccntnttg	gcagngngtc	tgganggttg	240
nggtngctca	tntggntaan	ccnatcctgg	ngaccaanng	gccgnggtgn	gcntgcaagc	300
tttgncacn	tgggaaancc	gnnagtggtn	gtctcanttg	cntgntgggn	ncntgncccc	360
atcttgnetg	ctgnancctt	ggggagcagg	nnctnggtng	tggtnctgcc	tgcttgctgc	420
tngttccccg	ggcatgctgn	nncannaagg	gncatgcntn	gggcaanaag	gtgcgtggnc	480
ancgttngna	tnnnnaggac	cacntgggt	cgngaactcn	tgggttncct	gataggaacc	540
ntnaannnct	gcngntttta	ttaaattggga	nnananggtt	ncanttcaaa	gccagttnnaa	600
tgcccttatg	gaangngtg	natnacatan	cnnntatgt	gtcntanann	angaaatcgt	660
tnnncaaatt	tnnacaanaa	tntttntaan	aaagggtatt	tnantntngg	tgaaanaaca	720
angntttaaa	gtnaaatgnt	tntancanaa	ttaantaac	nggtnttnat	gattncttac	780
naaantaacn	atncnnaagc	atttacngct	tanangtccn	cnngatactn	ncanaatatg	840
gnnnnaattn	tannanatng	cgataatctn	gnananactn	tcatnnnnna	tngtgtaate	900
antanntacn	tgattttnnt	naaatgaaaa	catntgatnc	aagattaatn	cattanntat	960
acnaaaatnt	tcanatanta	natntacata	taatggtttc	naataaacn		1009

<210> 776
<211> 785
<212> DNA
<213> Homo sapiens

<400> 776

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cgaattcggc	acgagagaaa	cacaggtgtc	gtgaaaacta	cccctaaaag	ccaanatggg	120
aaaggaaaag	actcatatca	acattgtcgt	cattggacac	gtanattcng	gcaagtccac	180
cactactggc	catctgatct	ataaatnngg	tggnttcgac	aaaagaacca	ttgaaaaatt	240
tganaaggag	gctgctgaga	tgggaaaggg	ctccttcaag	tntgcctggg	tcttgataa	300
actgaaagct	gagcgtgaac	gtggtatcac	cattgatatc	tccttggtga	aatttgagac	360
cagcaagtac	tatgtgacta	tcattgatgc	cccaggacac	agagacttta	tcaaaaacat	420
gattacaggg	acatctcagg	ctgactgtgc	tgncctgatt	gttgctgctg	gtgtnggtga	480
atttgaagct	ggtatctnca	agaatgggca	naccnnaaag	catgcncttn	tggcntacac	540
actgggtgtg	aaacaactaa	ttgtcggngt	taacaaaatg	gattcacttg	accaccctan	600
aggccngaag	agatattgan	gaaattgtta	aagggaagtca	gcacttncat	taagaaaatt	660
ggcctacaaa	tcnnganac	aataancatt	tgtgcccaatt	tnngggtttg	gaatgggtga	720
ccaacattgc	ttggagccca	agtgnntaac	aatgccttng	gttnaaaggg	antggaaaag	780
ttacc						785

<210> 777
<211> 1366
<212> DNA
<213> Homo sapiens

<400> 777

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tnnanaannn	aagnngnttc	nanncttttc	aaagcttgga	aaacgcannc	aannnnnggg	120
aaagcaagaa	agaacagcta	aagnnnngcn	cagaganagc	ttttangang	tntangaaga	180
aggaatannn	gnggncaata	nnnnnnnnnc	ngaaantatc	atganacnca	aatganggan	240
aaggcagcac	aagctgngca	aacagctatn	gngacggggg	ggccggggaga	gnctaaangn	300
cananatnca	atatataagg	actgcatgcn	aagggatacn	aaacaagnan	actnntctag	360
gaagaaataa	ntnttgacnt	ancnnacntt	cataacgaat	agcaccgtac	atcgagncaa	420
ccaactaana	ggncataagg	aatggcaaan	nacnttaatn	nttgagcnaa	ggaagggngt	480
atngnccnan	anngaaatgc	ntcntaacca	anttttaatn	gtaacggnat	nangatnaan	540
ncntnanccc	acgcaactca	aaaanattac	attanntaaa	aaaganctat	ancaaaaacta	600
gtnttcaaaa	tngnacgagn	aatgggnnaa	nantttntnn	ccgggaaaat	tggngagat	660
ccanaaacac	tggntnaggg	naatanatgn	ccgcccnaaa	aaaccntnac	cataggnatn	720
ggctancata	gangagatat	ancnatnagg	ggatcaanan	cntaggnatt	ngaaaantaa	780
ncgagttaaa	acancnagat	nnggnantac	gaganatagc	ttggacnggt	atcaaactcg	840
accctnggat	gggcntangg	aaaaanaaaa	aggntngagn	gaanttcctc	anaggaanng	900
tganagagcn	aaanaanatn	aagggccttg	gngaaaangg	aaaaacagat	agngtcatnc	960
natatatnnc	natgananan	tggggnaatn	taatctacnn	tanatnnggg	ggaaaaaaat	1020
cnnncatgac	nnnaaaanga	gntaatgnna	nnatgagaga	ttaaacnnat	aaaacnagag	1080
aantttgngn	aaanctgnga	gataaaaaat	aaataaattc	tntntggaac	atntanaccn	1140
tctatnnaaa	aaaaagaggg	gaaaccatct	ngattatgca	cananaaatn	tnacntngng	1200
gaaataaatn	gggnacaata	acatatatgn	ggatgtacan	tnntggncng	aaaaactata	1260
caacntgaga	nnnnacnang	atataaagcn	nnaggnagtn	tatangggca	tcatcaangg	1320
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<210> 778

<211> 775

<212> DNA

<213> Homo sapiens

<400> 778

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tcgaatttcgg	cacgagagat	tatgagcatg	tagaagatga	aacttttctc	cctttccac	120
ctccagcctc	tccagagaga	caagatggtg	aaggaactga	gcctgatgaa	gagtcaggaa	180
atggagcacc	tggttctgtg	cctcccggcg	ccgaacagtt	aaaagaaata	taccaagct	240
ggatgctcag	agattaattt	cagagagagg	acttccagcc	ttaaggcatg	tatttgataa	300
ggcaaaaattc	aaaggtaaa	gtcatgaggc	tgaagacttg	aagatgctaa	tcagacacat	360
ggagcactgg	gcacataggg	tattccctaa	actgcagttt	gaggatttta	ttgacagagt	420
tgaataacctg	ggaagtaaaa	aggaagttca	nacctgttta	aaacgaattc	gacttgatct	480
ccctattttta	catgaagatt	tttgtttagca	ataatgatga	agttgcggag	aataatgaac	540
atgatgtcnc	ttctactgaa	ttagatccct	ttctgacaaa	cttatctgaa	agtgagatgt	600
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atnaacaact	gggccttngg	aaagaaangc	nggccaaagc	gcttgagtaa	tagtcaganc	720
ctanggaaat	gatntgggta	atgaattcac	cccaggncac	accngttga	agagc	775

<210> 779

<211> 781

<212> DNA

<213> Homo sapiens

<400> 779

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ttagtagtag	gttatgaaac	ctctctaaaa	agctgccggg	tatttaaccc	caatgatgat	180
ggaaaggagg	aaccaccaac	cacattactt	tgggtccnnt	nctacttggc	acaacattat	240
gacaaaattg	gtcagccatc	tattgctttg	gagtacataa	atactgctat	tgaaagtaca	300
cctacattaa	tagaactctt	tctcgtgaaa	gctaaaatct	ataagcatgc	tggaaatatt	360
aaagaagctg	caaggtggat	ggatgaggcc	caggccttgg	acacagcaga	cagatttatc	420
aactccaaat	gtgcaaaaata	catgctaaaa	gccaacctga	ttaaagaagc	tgaagaaatg	480
tgctcaaagt	ttacaaggga	aggaacatca	gcggtagaga	atttgaatga	aatgcagtgc	540
atgtgggttc	aaacagaatg	tgcccaggct	tataaagcaa	tgaataaatt	tgggtgaagca	600
cttaagaaat	gtcatgagat	tgagagacat	tttataggaa	atcactgatg	accagtttga	660
ctttcataca	tactggatga	aggaagatta	cccttagatc	atatgtggac	ttattnaaac	720
tatgaagatg	tacttttnaca	gcatncattt	tacttcaagg	cagcaagaat	tgctttttaga	780
c						781

<210> 780
 <211> 783
 <212> DNA
 <213> Homo sapiens

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gacccatcga	ttcgggaatc	tcctagaaaa	gttgtgattt	tcgagccata	tccttctgtg	120
gtagatccta	atgatcctca	natgttggcc	ttcaacccca	ggaaaaagaa	ctatgatcga	180
gtaatgaaag	cactggatag	cataacttct	atcagcnaaa	tgacacaagc	accatatctg	240
gaaatcaaga	agcaaatgga	taaacaggac	ccccttgctc	atcccttact	gcaatggggt	300
atatcaagta	atagatcaca	tattgtgaaa	ctgccagtta	acaggcaatt	gaagtattatg	360
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gctgctaaaa	aactcttttg	aagcaccttt	gcatttcatg	gctcacacat	tgaaaactgg	480
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gcaatgtatg	gaagtggat	ctatcttagt	ccaatgtcaa	gcataatcatt	tgggtactcag	600
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ggc						783

<210> 781
 <211> 796
 <212> DNA
 <213> Homo sapiens

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aggngccaga	agtgnccgca	gcagcagccg	cagcagccca	aagagaggca	agagaaagag	180
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cacccgctcc	acccttttta	aacccccag	cccttgctcg	tgagattggg	cttgggtagg	480
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tctttgatgg	tacaaagcag	angcttcggg	anaagcttcc	gtcacaacac	tncaaggtcc	600
cttcccaagg	gcaaggggat	ttnggcttca	tgagctnctt	tgaggggctt	ttttttgggc	660
annccccacc	ttngggggcca	tttttcccaa	ttaacttacc	cccaacccca	agnccanggtt	720
nagggggnaa	agggtcttcn	anttcatta	aaggggggtt	gtttgttgnt	gtttttaaac	780
aaaatgggga	aancnn					796

<210> 782
 <211> 886
 <212> DNA
 <213> Homo sapiens

<400> 782						
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ggacacngtt	ntaannnnan	nagnnnngt	tttnnganan	agggnnnnna	gnggnannna	180
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cngangagna	ngagcagggn	accnacatnn	acnnggacna	cgagaagngg	ggccagcgga	360
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gnccnnnncn	anacggannn	nanaaacgng	aagcaggann	nnnanggacc	aagggaaggg	480
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aggaagnang	gaaggggggn	cgggagggna	annganaaga	ngaaccnngg	gggnncaggg	600
gggcgagggn	agcanaannn	nnccnnagnc	aanngaaggg	gananaagag	ngggaaaann	660
aannagaaag	agggaaaana	agnnaaggaa	anaaaagang	ngnnaannng	gganaaaaana	720
ngngganann	gnngganana	ngngnannan	aaaanngagg	aggnccnngg	gnaaaanaana	780
nggggagggn	nganananag	ngaannagac	aaggaanagn	gaannagngn	anagnanngn	840
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<210> 783
 <211> 805
 <212> DNA
 <213> Homo sapiens

<400> 783						
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aagatgagaa	gacatcttgg	aagacttgaa	ttgggccttg	gaagaagaac	agccattcaa	180
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tagtcatggg	gttggggcac	tggttgaatt	taagggttga	aggatatatt	ggagcccctt	300
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ggttattgag	taaataaata	gactggtact	ttaggaattt	taaaatgtgg	atcattgtac	420
tactaataac	tatntatatt	atatttacta	tctactaagt	aattttacatg	tattttcttg	480
tactgactgt	aaaccttctg	ggtgtgggtg	ttttaagtgc	catttttactg	ataaagaaac	540
tgangcttaa	atagntgaaa	tanntcaccc	tgtagtgag	tggcacatg	acaagtcann	600
atcttanggt	tgcenanntc	caaaanncat	ttaaanttnn	agnatnattg	annnttttnc	660
cttatggcnt	nnnaaatattg	gggagccatt	attgaaatcc	nttacnacnt	angaattgnc	720
caaaaaaat	actttttggg	gaaaactgga	tttattaatt	atccaaaata	atttnantgg	780
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<210> 784
 <211> 776

<212> DNA

<213> Homo sapiens

<400> 784

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gagtatgtgg	gtatagaaat	catgaatntn	ccatttgnnn	ncagagattc	aagcntanac	420
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gccaagtaaa	ctgtactgtn	cataggaatt	ttgggaattg	tgcanaaatt	ggatcaattg	660
aanttnagaa	cngatgtctg	ggcttaaaaa	tttatcnggg	accacnnatt	angaaactna	720
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<210> 785

<211> 778

<212> DNA

<213> Homo sapiens

<400> 785

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gcagtgaaca	gagttatgga	gcagcaaaaa	cacagatcta	tttggaaaaa	gagaaaacat	300
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gtataaagta	attttcagtg	atttttttca	tggttatgat	aaaagaactg	gattagcaga	660
aacttttacc	ctgaatcaag	atttaatttt	tctttgagct	catcttaagg	atatcggaac	720
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<210> 786

<211> 805

<212> DNA

<213> Homo sapiens

<400> 786

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ttattaaagt	atcgagagac	aaaatatcag	acagcaatga	ccaagagtca	gcaaattgtg	360
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<210> 787
 <211> 775
 <212> DNA
 <213> Homo sapiens

<400> 787						
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gttccaagtc	tggagagagg	catctntatc	ttattaaagt	atcgagagac	aaaatatcag	300
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<210> 788
 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 788						
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tactcaacat	ggaaaatgga	gcctatattg	aaacacacaa	gtaattaaag	taccaattct	360
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gcttggaaga	aacaaattta	taggttatat	ttccctctta	aattaaanaa	acaaacttcc	600
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<210> 789
 <211> 773
 <212> DNA

<213> Homo sapiens

<400> 789

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nantnnctaa	ngatgaattt	cannacnggn	nnnccaccan	tcttnaatnc	tttaagatca	420
ttatacgaag	ncnangaaaa	ggtggcaatc	atngaanaat	gngnatnatg	ttangaaacc	480
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acattanttt	ngggctccagt	actacttggc	acanccttat	nacgaaactg	gncngtnent	600
ctattgcttt	gggagtaccn	taaaatacng	ccntngngag	tncacctnca	atgaatnaa	660
nctctttntc	anganagctn	nngatccata	ngacntgctg	ganatnttta	aggaancttc	720
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<210> 790

<211> 953

<212> DNA

<213> Homo sapiens

<400> 790

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aacctgaaaa	tgcagctggg	anaatntcaa	tgggaagcat	aatnccatgt	aaaatataat	480
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annatctgnn	attnaagngn	tttacnaang	gaanggaaag	gacctttnc	taaactacct	600
ttttgaacag	ancattaaga	angnnenttc	ttttaagnaa	aaaaaaatca	aattttgang	660
aaaantggna	ttngaagtgn	nagaaaaang	gatananaan	aaaanccaat	nntaannacc	720
nannctctct	gganttcnac	tatctccact	acntacntnt	acntatngcg	ntaanatnna	780
ctnttacntc	nnntantcn	cacanacntc	ntcnaacnta	atnangcncn	canaatcctc	840
tatannatnt	antgtmnntc	acannncnna	cnggntaant	ntnnncaacg	ccatatcacc	900
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<210> 791

<211> 798

<212> DNA

<213> Homo sapiens

<400> 791

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<210> 792
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 <212> DNA
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<400> 792						
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caattggcan	ttcattttta	atggttttna	aggttcaagg	ggggaagggt	tttgggaagg	720
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 <211> 806
 <212> DNA
 <213> Homo sapiens

<400> 793						
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tgtgccatgg	ggcaaganac	nattttgccc	tctatggtnt	tcttttaaaa	ttttcanttt	720
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 <211> 815
 <212> DNA
 <213> Homo sapiens

<400> 794

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<210> 795
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<400> 795

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ggnnac	tatc	ncatant	taca	tcnntn	annnn	cacccat	nc	ntntn	anat	ntctent	ggg	840
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nannna	anng	tatnnt	ngtt	cnaaan	ntat	ntataa	ancn	ncgtnn	nttt	nnannag	atg	1020
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 <211> 884
 <212> DNA
 <213> Homo sapiens

<400> 796

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cccttggggg	gaancttnnc	aacaaaatnt	gggcccccaag	ggggcccccg	aaaggaacga	840
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<210> 797

<211> 773

<212> DNA

<213> Homo sapiens

<400> 797

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<210> 798

<211> 812

<212> DNA

<213> Homo sapiens

<400> 798

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<210> 799
 <211> 758
 <212> DNA
 <213> Homo sapiens

<400> 799

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<210> 800
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 800

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<210> 801
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 801

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<210> 802

<211> 1390

<212> DNA

<213> Homo sapiens

<400> 802

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<210> 803

<211> 947

<212> DNA

<213> Homo sapiens

<400> 803

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<210> 804
 <211> 532
 <212> DNA
 <213> Homo sapiens

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<210> 805
 <211> 552
 <212> DNA
 <213> Homo sapiens

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<210> 806
 <211> 1646
 <212> DNA

<213> Homo sapiens

<400> 806

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<211> 1029

<212> DNA

<213> Homo sapiens

<400> 807

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 812
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 812

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<210> 813
 <211> 562
 <212> DNA
 <213> Homo sapiens

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<210> 814
 <211> 594
 <212> DNA
 <213> Homo sapiens

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<210> 815
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 <212> DNA
 <213> Homo sapiens

<400> 815

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<210> 816
 <211> 999
 <212> DNA
 <213> Homo sapiens

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<210> 817
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 <212> DNA
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 <212> DNA
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 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 822						
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 <212> DNA
 <213> Homo sapiens

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<210> 824
 <211> 1980
 <212> DNA
 <213> Homo sapiens

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<210> 825

<211> 333

<212> DNA

<213> Homo sapiens

<400> 825

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<210> 826

<211> 658

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 827						
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<210> 828
 <211> 657
 <212> DNA
 <213> Homo sapiens

<400> 828						
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<210> 829
 <211> 775
 <212> DNA
 <213> Homo sapiens

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aggcttctcc	actttgttcc	atttcttcag	aagtttcttg	ctttgcttta	aacaatctat	720
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<210> 830
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 830						
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cttggcgcak	agcsmcasgk	gcagtgtggc	ntgctgcccc	ccaggaggcc	tgaggctggg	240
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<210> 831
 <211> 876
 <212> DNA
 <213> Homo sapiens

<400> 831						
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<210> 832
 <211> 768
 <212> DNA
 <213> Homo sapiens

<400> 832						
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<210> 833
 <211> 1604
 <212> DNA
 <213> Homo sapiens

<400> 833						
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<210> 834
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 834

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<210> 835
 <211> 542
 <212> DNA
 <213> Homo sapiens

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<210> 836
 <211> 542
 <212> DNA
 <213> Homo sapiens

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<210> 837
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 837

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<210> 838

<211> 579

<212> DNA

<213> Homo sapiens

<400> 838

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<210> 839

<211> 1172

<212> DNA

<213> Homo sapiens

<400> 839

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<210> 840
 <211> 1145
 <212> DNA
 <213> Homo sapiens

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 <211> 642
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 843
 <211> 805
 <212> DNA
 <213> Homo sapiens

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<210> 844
 <211> 702
 <212> DNA
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